

SIGA ¹⁹⁶⁶  Stick with us.

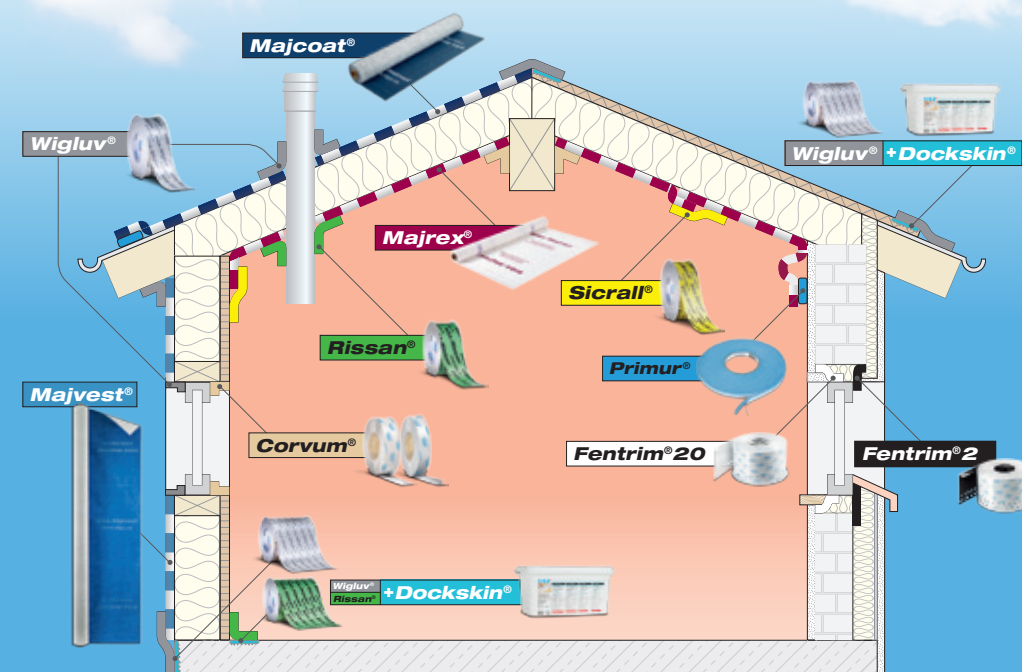
SIGA ¹⁹⁶⁶ 

Manual

for the professional craftsman

All you need to know about the quick and reliable application of SIGA high-performance products.

SIGA ¹⁹⁶⁶ 



SIGA

air and windtightness system
free of domestic toxins

- ✓ permanently reduce your energy consumption
- ✓ no draught
- ✓ no building damage



siga.swiss

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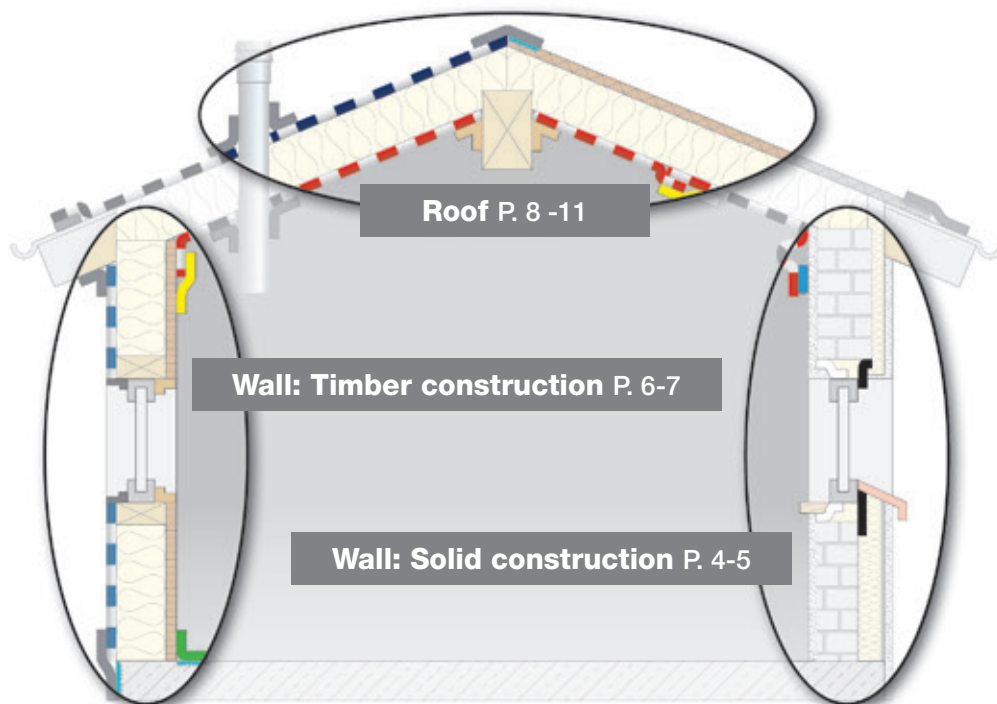
contact@siga.swiss



KM9367 SKU-2043c
Version: FEB 2017

Construction feature and **SIGA** solution

Construction feature and **SIGA** solution



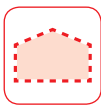
Expert knowledge concerning air, windtightness and driving rain Page 12

SIGA benefits Page 16

Product details and technical data Page 106

Warranty and technical details Page 132

Suitable substrates Page 134



Wall: Solid construction

Airtight on the inside



**Joining window to
solid wall construction**

Page 18



**Joining timber to
solid wall construction**

Page 28



**Mounting vapour
control layer on
pre-wall structures**

NEW

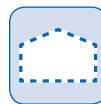
Page 30



**Joining vapour
control layer to solid
wall construction**

Page 32

Wall: Solid construction ***Windtight and rainproof on the outside***



**Joining window to
solid wall construction**

Page 38



**Joining facade
membrane to
solid wall construction**

Page 44



**Joining roof
underlay membrane to
solid wall construction**

Page 46



Wall: Timber construction

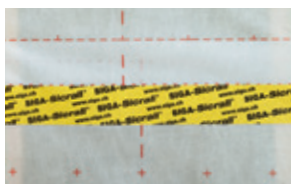
Airtight on the inside



Mounting vapour control layer on timber substructures

NEW

Page 48



Vapour control layer overlaps

Page 50



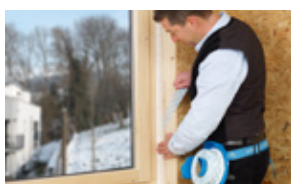
Injection hole

Page 51



Wall joint timber construction

Page 52



Joining window to timber wall construction

Page 56

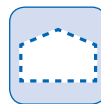


Base joint

Page 60

Wall: Timber construction

Windtight and rainproof on the outside



Facade membrane

**Mounting the
facade membrane**

Page 62



**Facade
membrane overlap**

Page 63



**Facade
membrane penetration**

Page 64



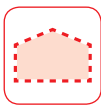
**Joining window to
facade membrane**

Page 66



Base joint

Page 70



Roof ***Airtight on the inside***



**Mounting vapour
control layer under flat
or inclined roofs**

NEW

Page 72



**Vapour control
layer overlaps**

Page 74



Circular penetration

Page 76



Angular penetration

Page 78



Purlin joint

Page 79



Skylight joint

Page 80



**Joining vapour
control layer to
solid wall construction**

Page 32



**Mounting vapour
control layer for
injection insulation**

Page 83



**Mounting vapour
control layer for roof
renovation from the outside**

Page 86

NEW



**Mounting vapour
control layer for
above-rafter insulation**

Page 88

NEW



Roof

Windtight and rainproof on the outside



Roof underlay membrane

**Installation of roof
underlay membrane**

Page 90



**Roof underlay
membrane overlap**

Page 95



**Roof underlay
membrane penetration**

Page 97



**Mounting of
nail sealing tape**

Page 98



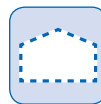
Skylight joint

Page 100



**Joining roof underlay
membrane to solid wall
construction**

Page 46



**Bonding
woodfibre boards**

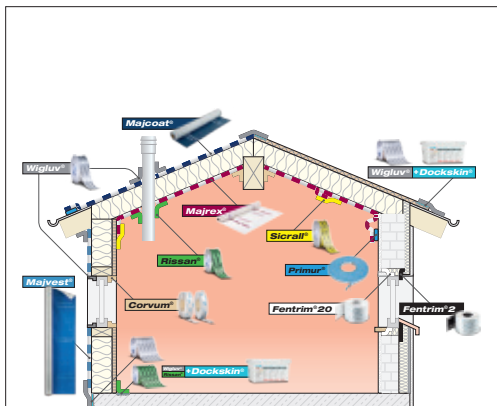
Woodfibre board

Page 102



Expert knowledge *Airtight on the inside*

Making the building envelope airtight



- Buildings must be constructed to be permanently airtight.
- Leaking areas in the building shell cause high energy loss, unpleasant draughts and can result in massive damage to the building due to mould.



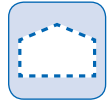
- To create the airtight building shell, vapour control layers are applied to the inside of the building and sealed airtight. All overlaps, joints and penetrations must be carefully sealed airtight.



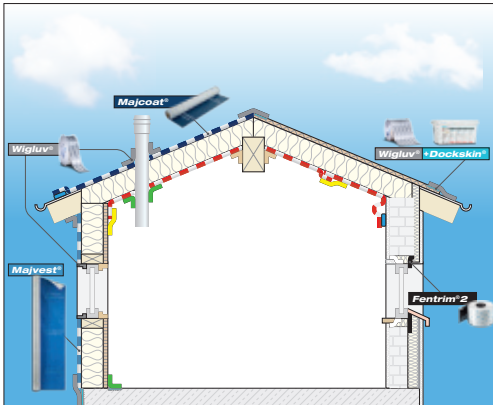
- Use the following high-performance **SIGA** products for the reliable sealing of your airtight building shell:
- They are extremely strong, free from residential toxins, environmentally friendly and secure a permanently airtight building shell.



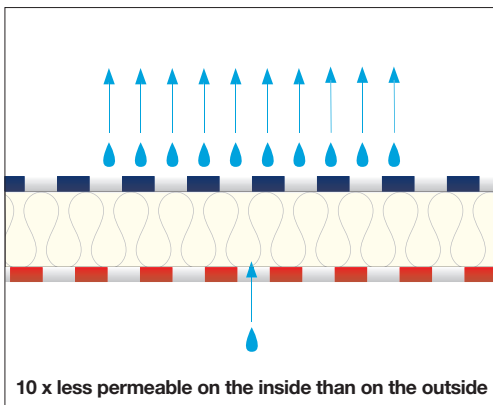
- Proof of airtightness is provided with the Blower-Door-Test.



Making the building envelope wind and rainproof



- The wind-tight building shell is created by the permanently sealed roof underlay membrane and facade membrane.
- When the envelope is not wind-tight, cold outside air can easily cool down the insulation. Snow, rain, insects and wood pests can enter the construction unhindered and damage it.
- All overlaps, joints and penetrations must be carefully sealed windtight.

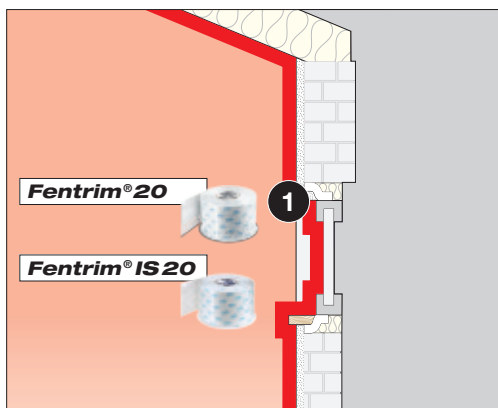


- The diffusion resistance value of the roof underlay membranes and facade membranes is lower than that for vapour control layers so that the moisture does not collect underneath the membrane.
- High thermal demands and the multitude of surfaces require high-quality products which bond securely and durably.
- **SIGA** offers a comprehensive system of products perfectly tailored to your requirements.
- So you can easily avoid damage to your building!



Expert knowledge *Airtight on the inside*

Airtight joining of window



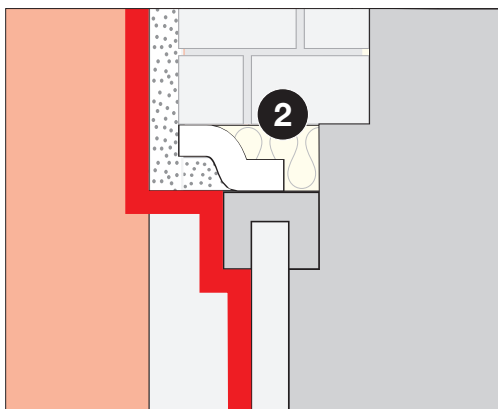
Functional level ① inside the room: airtightness

- Each window joining inside the room must be airtight.



The airtight building level

- Prevents uncontrolled thermal loss
- Stops the penetration of humid indoor air in to the functional level ② (heat insulation)
- Prevents condensates and mould
- Prevents drafts

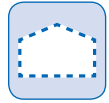


Functional level ② centre: heat insulation

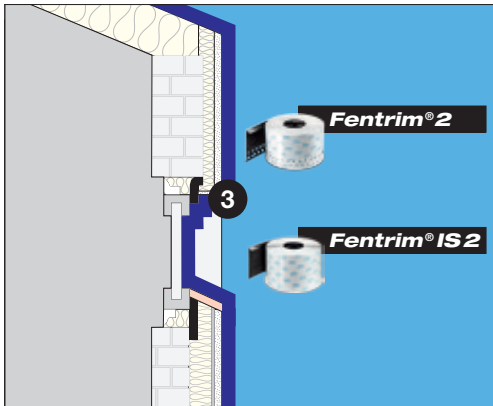
- Transfers the load of the window
- Ensures heat and sound insulation
- Must always remain dry, is protected by the functional level ① and ③.



- Use the high-performance **SIGA** products Fentrim IS 20 and Fentrim 20 for the reliable airtight joining of your windows.
- Fentrim is quick and easy to apply, has an extremely strong adhesion and is immediately 100% tight.

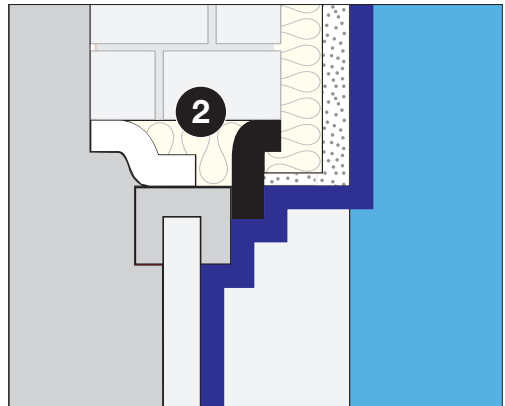


Wind-tight and rainproof joining of window

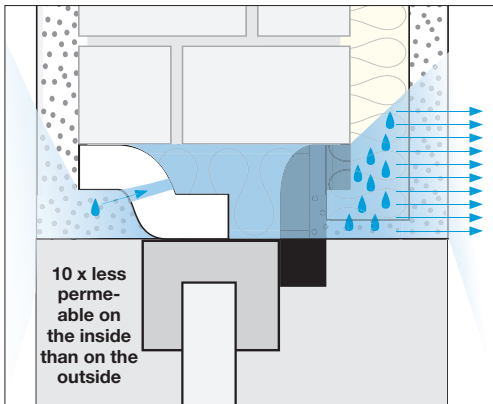


Functional level ③ outside: driving rain and windtightness

- Outside joints of windows and doors must be windproof and impermeable to driving rain.



- Stops the penetration of driving rain in to the functional level ② (heat insulation)
- Prevents condensates and mould
- Prevents ingress of wind and thus draughts



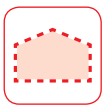
Diffusion gradient:

With regard to water vapour diffusion, the principle “10 x less permeable on the inside than on the outside” applies.

- $sd = 20 \text{ m}$ for inside application
- $sd = 2 \text{ m}$ for outside application



- Use the high-performance **SIGA** products Fentrim IS 2 and Fentrim 2 for the reliable windtight joining of your windows.
- Fentrim is quick and easy to apply, has an extremely strong adhesion and is immediately 100% tight.



SIGA-house-tight

SIGA benefits



- ✓ **innovative**
every year the **SIGA**-research team applies for numerous patents



- ✓ **in partnership**
SIGA annually trains
 - 2,500 building and construction professionals at the **SIGA** Academy in Switzerland
 - 30,000 craftsmen and architects on site at the customers' premises



- ✓ **professional**
SIGA production processes guarantee best quality

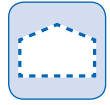


Factory at Schachen

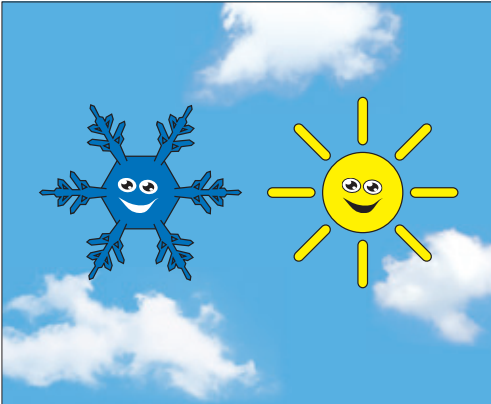


Factory at Ruswil

- ✓ **international**
SIGA produces at 2 locations in Switzerland and employs 400 employees in over 20 countries



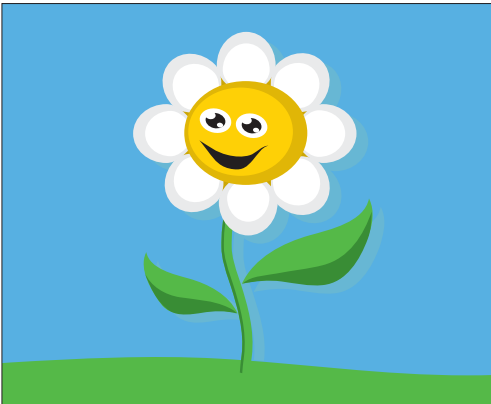
Product benefits



- ✓ **strong adhesiveness in cold and heat**
construction professionals save time and achieve maximum safety



- ✓ **resistant to ageing**
construction professionals prevent future structural damage to buildings - protecting their clients' and their own best interests



- ✓ **no residential toxins**
no pollutants in the ambient air



- ✓ **SIGA In an open system**
In addition, free choice of commercially available vapour control layers and roof underlay membranes in combination with **SIGA** high-performance adhesives



Wall: Solid construction *Airtight on the inside*

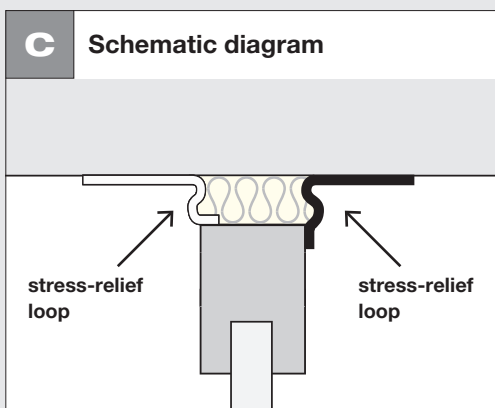
Joining window to solid wall construction - Tips and tricks



- Clean all substrates to ensure high adhesive strength



- Fold the front end of the protruding backing strip back so that it is ready at hand and can be easily removed later
- Install the window

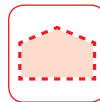


- Apply free from stress and tension



- Press the tape on firmly with a roller to ensure even more protection

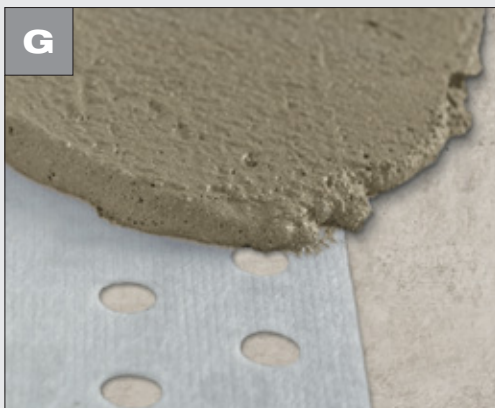
Wall: Solid construction
Airtight on the inside



- Fill joint seam with insulation material without cavities



- Overlap the tape at the joints by approx. 5 cm



If Fentrim is plastered:

- Don't seal more than 50 % of the soffit or reveal depth and max. 60mm without counting the Fentrim perforated zone.



Wall: Solid construction

Airtight on the inside

Prepare skirt

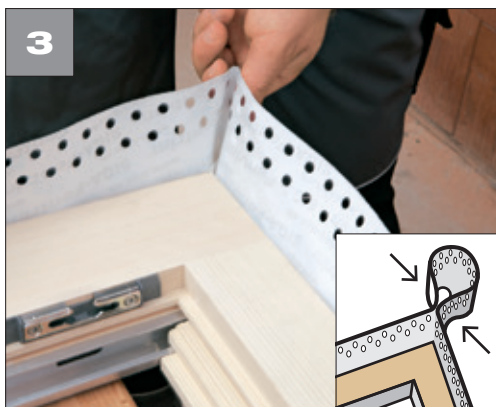


Initial situation:

- Frame provided



- **Bond laterally** to frame at the bottom starting in the centre
- Press on firmly



Corners:

- Form a loop: 1.5 x joint width
- Bond or press together firmly



- Repeat on all sides
- Press on firmly

Wall: Solid construction
Airtight on the inside



5



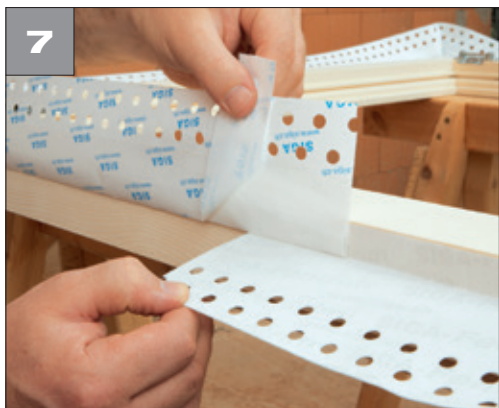
6

Overlaps:

- Apply with about 5 cm overlap
- Cut off

Overlaps:

- Apply with about 5 cm overlap



7

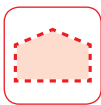


8

- Fold back protruding backing strip
- Align and fix free from tension

How it should look:

- Prepared skirt



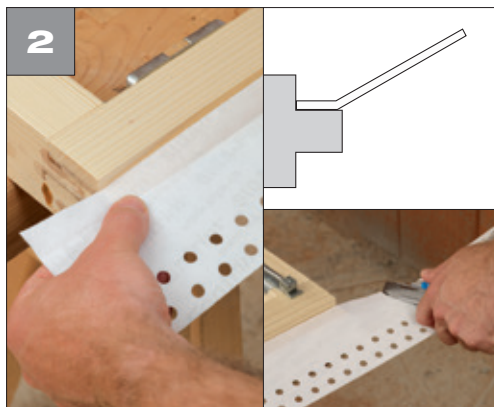
Wall: Solid construction *Airtight on the inside*

Preparing the skirt for windowsill joint profile



Initial situation:

- Frame provided



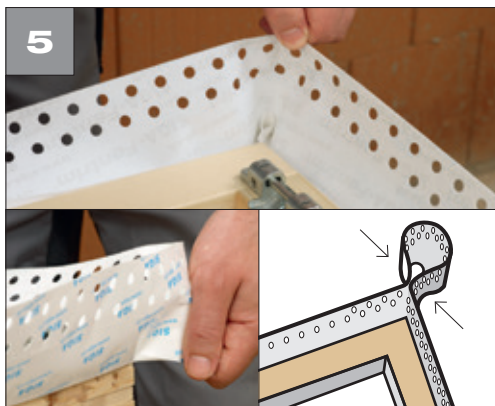
- Bond to the windowsill joint profile at the **bottom**
- Projecting by joint width + approx. 6 cm on both sides
- Press on firmly



- Bond laterally to the frame
- Projecting by about the joint width at the bottom
- Press on firmly



Wall: Solid construction *Airtight on the inside*



Top corners:

- Form a loop: 1.5 x joint width
- Bond or press together firmly
- Repeat on the other side



- Bond to all sides of the frame
- Press on firmly
- Projecting by the joint width at the bottom
- Cut off

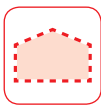


Bottom corners:

- Make a rectangular cut up to the folded edge
- Fold over
- Press on firmly
- Repeat on the other side



- Turn frame
- Prepare skirt for the outside



Wall: Solid construction *Airtight on the inside*

Join skirt to masonry



Initial situation:

- Window installed with prefabricated skirt



- Remove protruding backing strip step by step
- Align and fix free from tension
- Remove second backing strip
- Press on firmly



Bottom corners:

- Bond laterally to the reveal
- Form trough
- Repeat on the other side



- Align and fix free from tension
- Bond to bottom of trough
- Press on firmly

Wall: Solid construction *Airtight on the inside*



Top corners:

- Bond loop into corner free from tension
- Press on firmly
- Repeat on the other side

How it should look:

- Prefabricated skirt attached to masonry

Joint plastered:

Joint covered:

Fentrim® & Fentrim® IS
application identical

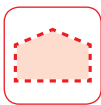


Fentrim® 20

P. 128

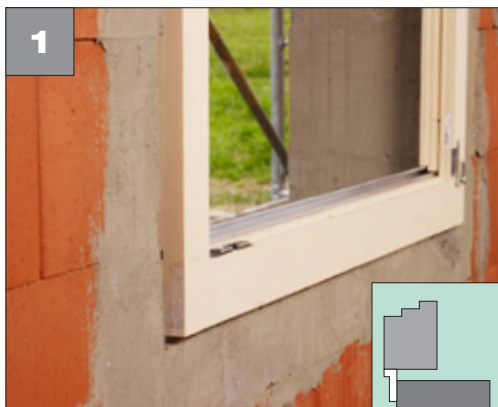
Fentrim® IS 20

P. 130



Wall: Solid construction *Airtight on the inside*

Connection for windows, protruding inside



Initial situation:

- Window installed with prefabricated skirt



- Bond with the narrow side to the edge at the frame bottom
- Projecting about 10 cm on both sides
- Press on firmly



Corners:

- Cut narrow side up to the folded edge at an angle of 45°



- Fold over
- Press on firmly
- Repeat on all sides

Wall: Solid construction *Airtight on the inside*



- Remove protruding backing strip
- Align and fix free from tension
- Remove second backing strip
- Press on firmly
- Repeat on all sides

How it should look:

- Window connection inside

Joint plastered:

Joint covered:

Fentrim® & Fentrim® IS
application identical

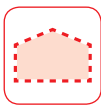


Fentrim® 20

P. 128

Fentrim® IS 20

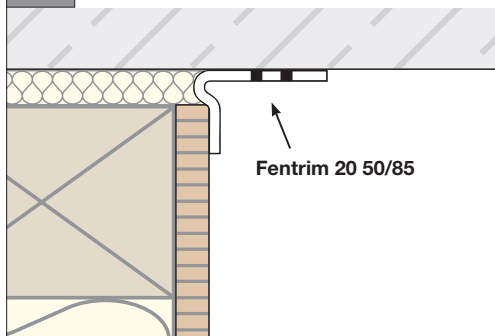
P. 130



Wall: Solid construction *Airtight on the inside*

Joining timber to solid wall construction

1 Schematic diagram



- Joining timber wall construction to **non-plastered** masonry or concrete

2



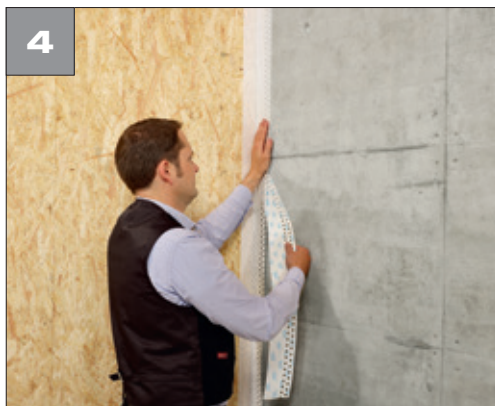
- Affix 50 mm side to wood-based panel

3



- Unfold Fentrim 20 50/85
- Press on firmly

4



- Remove backing strip
- Fixing
- Apply free from stress and tension
- Press on firmly

Wall: Solid construction
Airtight on the inside



How it should look:

- Timber wall construction joined to non-plastered masonry or concrete



Note:

- If Fentrim 20 50/85 is mounted on **non-plastered** masonry it must be plastered over to form the airtight layer
- The width of the substrate to be plastered covered by Fentrim must not exceed 60 mm without counting the Fentrim perforated zone.



Fentrim® 20 50/85

P. 126



Wall: Solid construction *Airtight on the inside*

Mounting vapour control layer on pre-wall structures



- Use double-sided adhesive Twinet when mounting vapour control layers on metal or timber substructures
- Avoids leaky stapling points



- Apply vapour control layer with the writing facing you

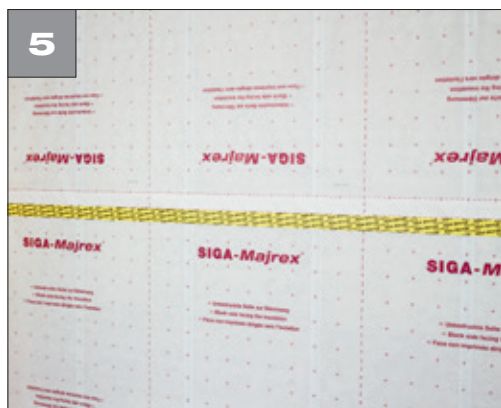


- Overlap the vapour control layer by approx. 10 cm



- Seal overlap with Siccral avoiding tension and wrinkles

Wall: Solid construction *Airtight on the inside*



How it should look:

- Vapour control layer mounted on substructure and bonded to be permanently airtight



Majrex®

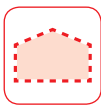
P. 106

Majpell® 5

P. 107

Twinet®

P. 116



Wall: Solid construction *Airtight on the inside*

Joining vapour control layer to solid wall construction - plastered masonry

- 1** Apply bead before mounting the vapour control layer



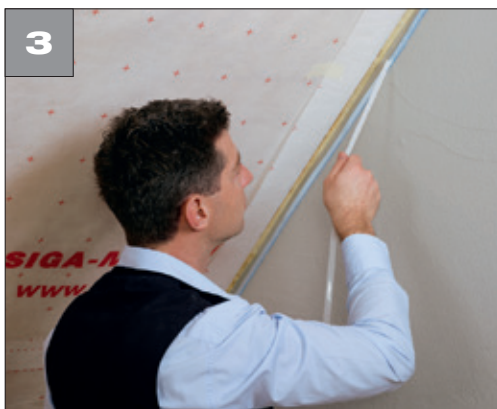
- 2** Apply bead after mounting the vapour control layer



or

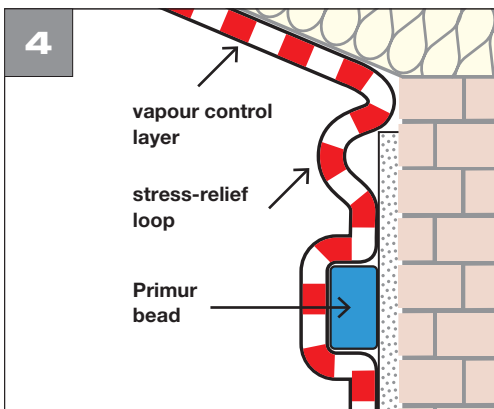
- Clean the substrate
- Apply Primur, align and press it down
- Cut with a knife and press on

3



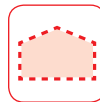
- Remove backing strip

4

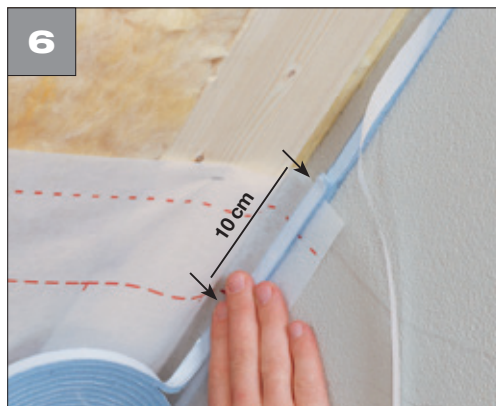


- Make a stress-relief loop in the vapour control layer

Wall: Solid construction *Airtight on the inside*

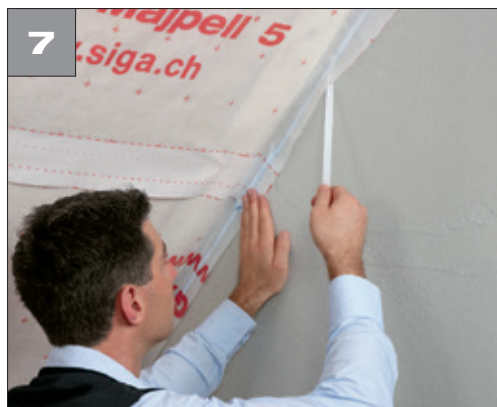


- Press vapour control layer firmly onto Primur bead free from creases and tension



For overlaps:

- Apply a short bead of Primur (about 10 cm) to vapour control layer at the overlap



- Mount second membrane, press it on



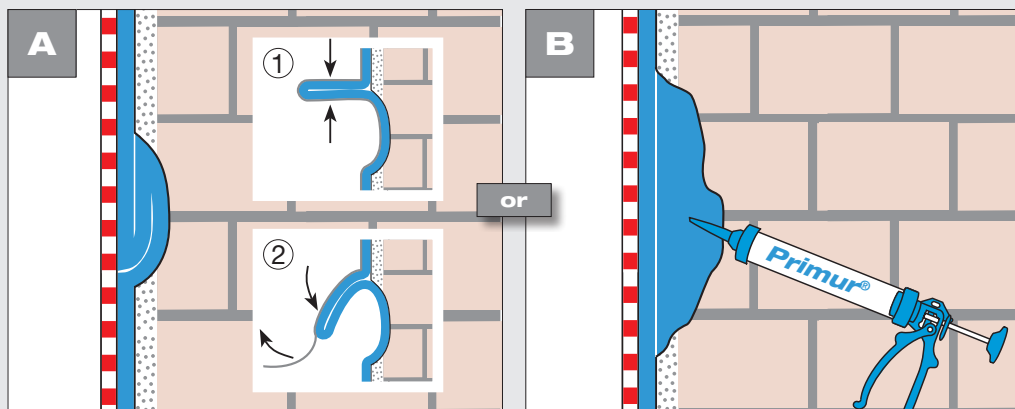
How it should look:

- Vapour control layer is airtightly sealed against plastered masonry with Primur roll



Wall: Solid construction *Airtight on the inside*

Tips and tricks



For unevenness

- Make a loop in the bead ① and fill unevenness airtightly ②

- Apply Primur roll
- Then fill the unevenness airtightly using the Primur tubular bag

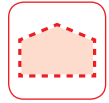


Primur® Roll P. 113

Majrex® P. 106

Majpell® 5 P. 107

Wall: Solid construction *Airtight on the inside*



Joining vapour control layer to solid wall construction - plastered masonry



or



Apply Primur compound using the **SIGA tubular bag applicator gun**

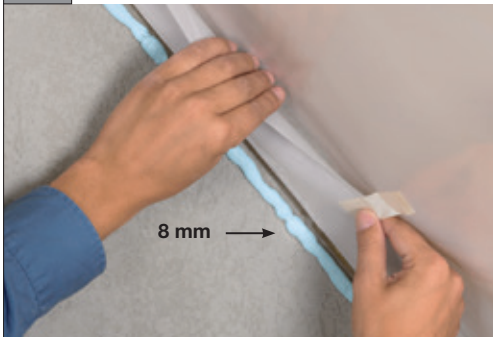
- Twin-spiked nozzle opens Primur bag
- Transparent tube shows fill level

Apply Primur compound using the **SIGA cartridge applicator gun**

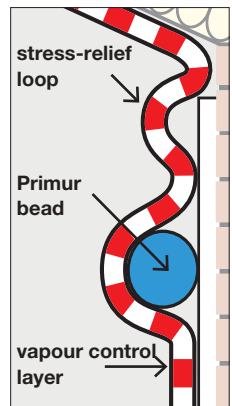
- Sturdy applicator gun with long-lasting professional quality
- With drip stop – hands and gun remain clean

A

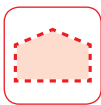
Wet method



- Apply an 8 mm Primur bead
- Release secured vapour control layer immediately

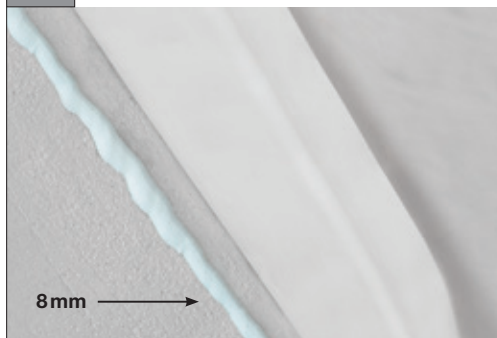


- Make a stress-relief loop in the vapour control layer
- Gently press vapour control layer onto Primur bead – **do not press flat!**
- Primur bead must remain at least 4 mm thick

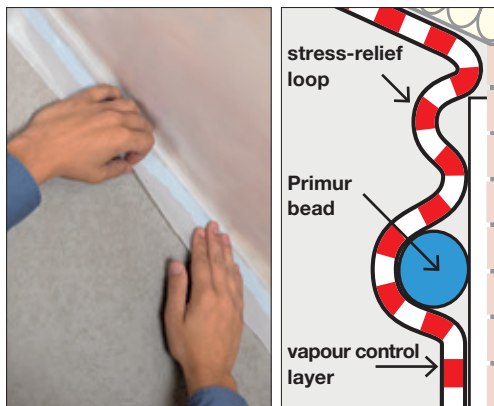


Wall: Solid construction *Airtight on the inside*

B Dry method



- Apply an 8mm Primur bead and **allow it to dry** for 1 to 3 days



- Make a stress-relief loop in the vapour control layer
- Press vapour control layer **firmly** onto the Primur bead without tension or wrinkles



Primur® cartridge

P. 112



Primur® tubular bag

P. 112

Wall: Solid construction *Airtight on the inside*



Joining vapour control layer to solid wall construction



- Affix 50 mm side to vapour control layer
- Affix perforated 85 mm side to solid wall construction
- Apply free from stress and tension
- Press on firmly

Note:

- If Fentrim 20 50/85 is mounted on **non-plastered** masonry it must be plastered over to form the airtight layer
- The width of the substrate to be plastered covered by Fentrim must not exceed 60 mm without counting the Fentrim perforated zone.



Fentrim® 20 50/85

P. 126



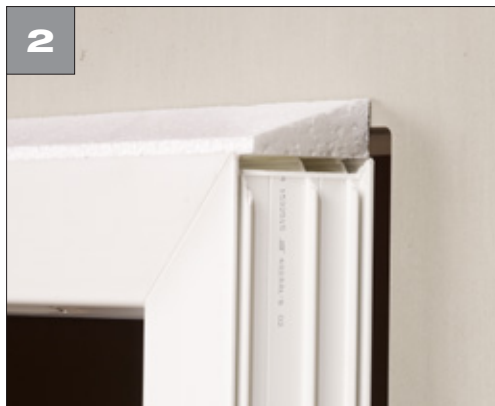
Wall: Solid construction

Windtight and rainproof on the outside

Joining window to solid wall construction



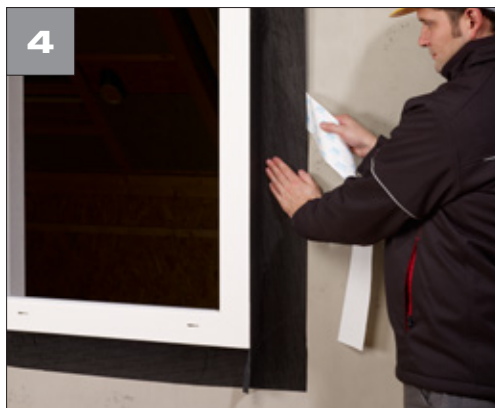
- Window installed on the outside surface



- Suggestion: Mount a wedge for better water discharge. Observe the manufacturer's specification

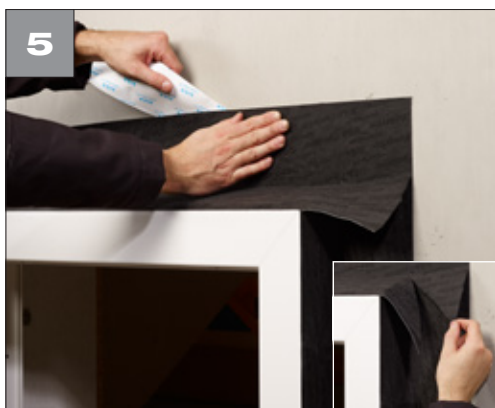
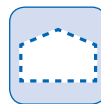


- Bond the narrow side to the edge at the frame bottom
- Projecting on both sides
- Remove backing strip and press on firmly
- Cut into the excess, bisecting the angle, and press on

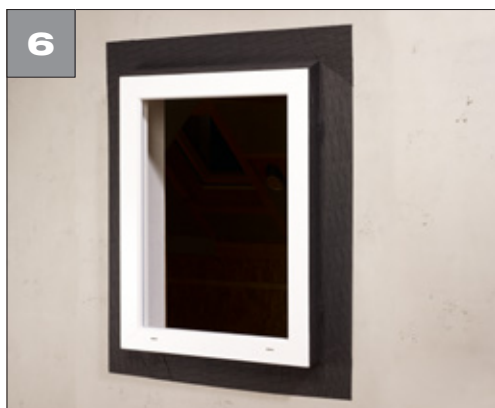


- Bond the narrow side to the lateral edge of the frame
- Projecting on both sides
- Remove backing strip and press on firmly

Wall: Solid construction *Windtight and rainproof on the outside*

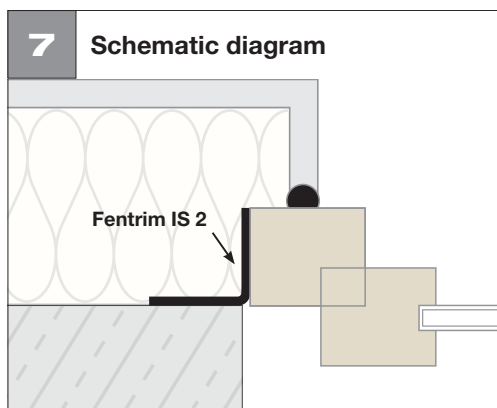


- Bond the narrow side to the top edge of the frame
- Projecting on both sides
- Remove backing strip and press on firmly
- Cut into the excess, bisecting the angle, and press on

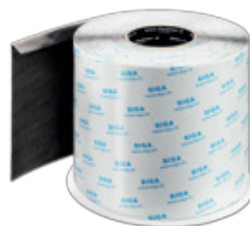


How it should look:

- Window installed on the outside surface joined



Window installed on the outside surface sealed airtight with Fentrim IS 2



Fentrim® IS 2

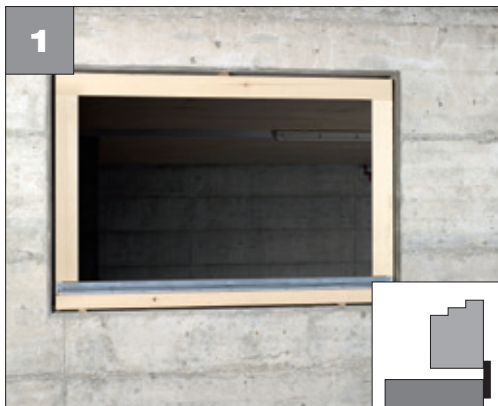
P. 131



Wall: Solid construction

Windtight and rainproof on the outside

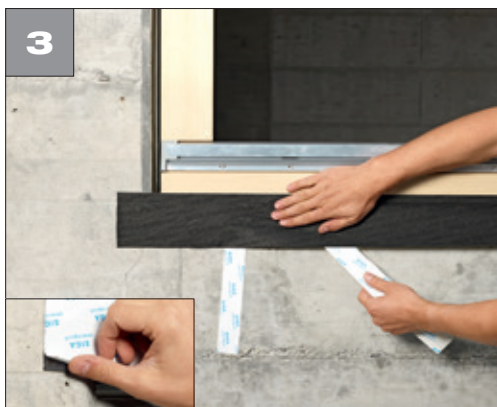
Joining window to solid wall construction



- Window installed flush with the outside surface



- Bond with the small side to the frame flush with the frame bottom edge
- Projecting about 10 cm on both sides
- Press on firmly



- Remove protruding backing strip step by step
- Align and fix free from tension



- Repeat on all sides

Wall: Solid construction

Windtight and rainproof on the outside



How it should look:

- Window joined outside

Thereafter:

- Cover connection with insulation

Joint plastered:

Joint covered:

***Fentrim® & Fentrim® IS
application identical***



Fentrim® 2

P. 129

Fentrim® IS 2

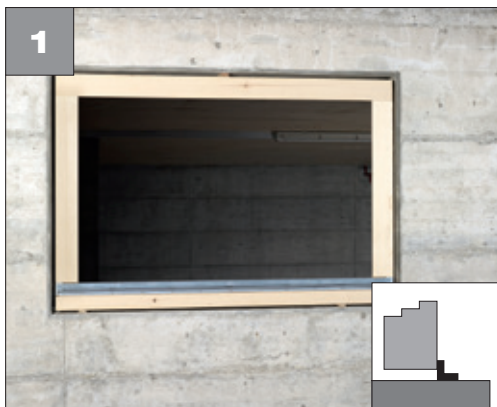
P. 131



Wall: Solid construction

Windtight and rainproof on the outside

Joining window to solid wall construction



- Window installed centrally



- Bond the narrow side to the edge at the frame bottom
- Projecting by joint width + approx. 6 cm on both sides; form trough
- Press on firmly
- Cut off



- Remove protruding backing strip
- Align and fix free from tension
- Remove second backing strip
- Press on firmly



- Bond laterally to the frame
- Bond laterally to the reveal

Wall: Solid construction *Windtight and rainproof on the outside*



- Repeat on all sides



How it should look:

- Window joined outside

Joint plastered:

Joint covered:

***Fentrim® & Fentrim® IS
application identical***



Fentrim® 2

P. 129

Fentrim® IS 2

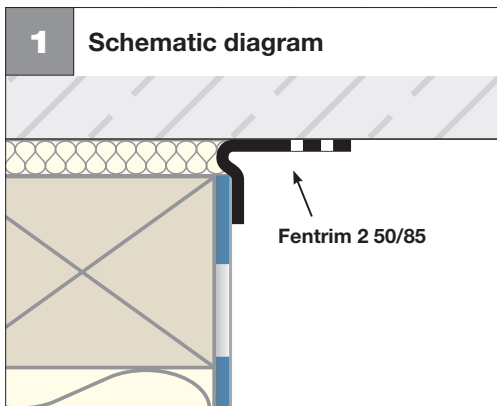
P. 131



Wall: Solid construction

Windtight and rainproof on the outside

Joining facade membrane to solid wall construction



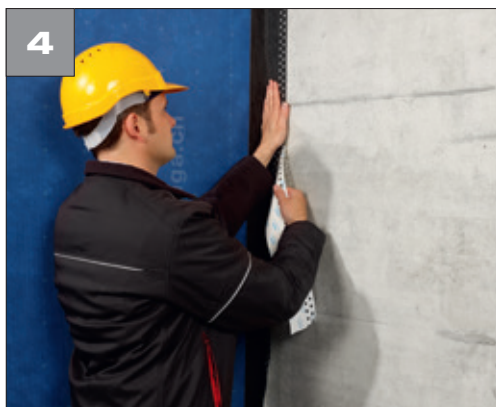
- Joining facade membrane to **non-plastered** masonry or concrete



- Affix 50 mm side to facade membrane

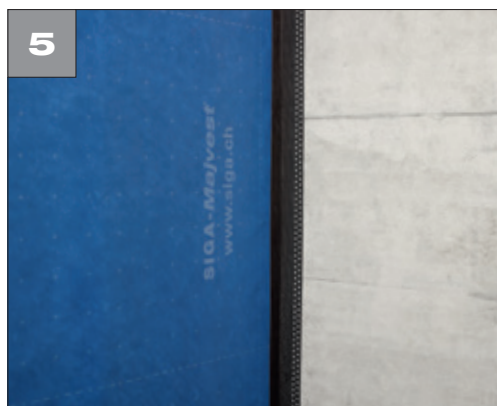
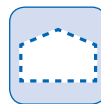


- Unfold Fentrim 2 50/85
- Press on firmly



- Remove protruding backing strip step by step
- Fixing
- Apply free from stress and tension
- Press on firmly

Wall: Solid construction *Windtight and rainproof on the outside*



How it should look:

- Facade membrane bonded to non-plastered masonry or concrete

- The width of the substrate to be plastered covered by Fentrim must not exceed 60 mm without counting the Fentrim perforated zone.



Fentrim® 2 50/85

P. 127



Wall: Solid construction

Windtight and rainproof on the outside

Joining roof underlay membrane to solid wall construction - plastered masonry



Example of a dormer wall connection:

- Clean the substrate and roof underlay membrane
- Apply Primur, align it and press on firmly
- Make a stress-relief loop in the membrane, press down the membrane firmly without tension or wrinkles
- Cut off any excess membrane

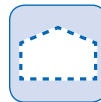
Example of a chimney:



Primur® roll

P. 113

Wall: Solid construction *Windtight and rainproof on the outside*



Alternatively:



Example of a chimney:

- Bond the membrane with Dockskin and Wigluv 100 or Wigluv 150 to the masonry or plaster

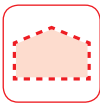


Wigluv® 100 & 150

P. 120

Dockskin®

P. 117



Wall: Timber construction *Airtight on the inside*

Mounting vapour control layer on timber substructures



- Use double-sided adhesive Twinet when mounting vapour control layers on timber substructures
- Avoids leaky stapling points



- Apply vapour control layer with the writing facing you



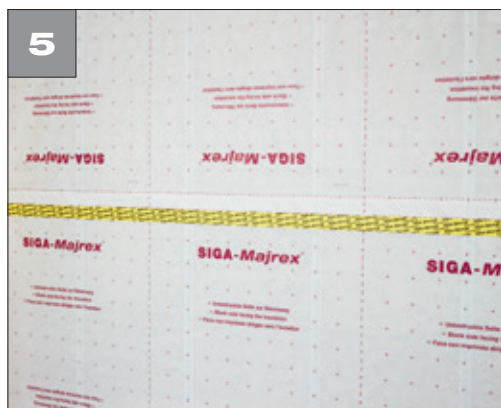
- Overlap the vapour control layer by approx. 10 cm



- Seal overlap with Sicrall avoiding tension and wrinkles

Wall: Timber construction

Airtight on the inside



How it should look:

- Vapour control layer mounted on substructure and bonded to be permanently airtight



Majrex®

P. 106

Majpell® 5

P. 107

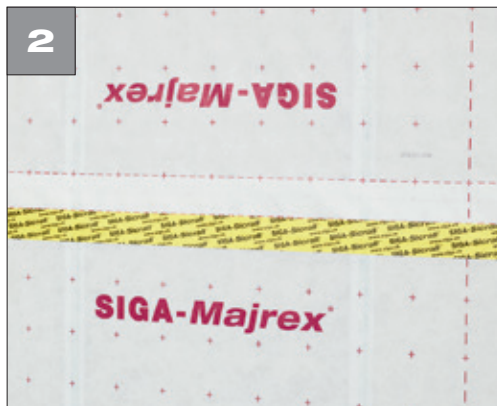
Twinet®

P. 116



Wall: Timber construction *Airtight on the inside*

Vapour control layer overlaps



- Release the Sicral backing strip
- Position Sicral in the centre of the overlap and secure it in place
- Remove backing strip
- Apply Sicral free of tension and creases and press it down vigorously

How it should look:

- The overlap is sealed with Sicral 60 and permanently airtight

Butt-joint



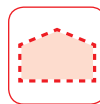
- Apply Sicral along the centre of the joint
- Press it on with a hard rubber roller
- Improves the immediate adhesion



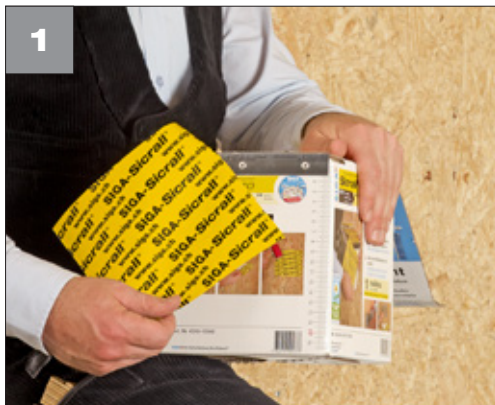
Sicral® 60

P. 108

Wall: Timber construction *Airtight on the inside*



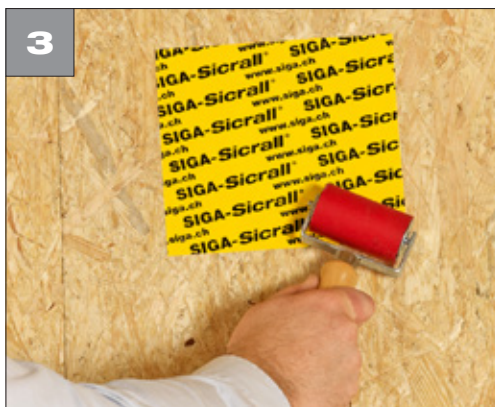
Injection hole



- Pull out Sicral 170
- Measure to the required length
- Tear over the blade



- Sicral is easy to tear-off at perforation

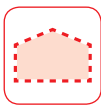


- Press it on with a hard rubber roller
- Improves instant adhesion and is easy to use



Sicral® 170

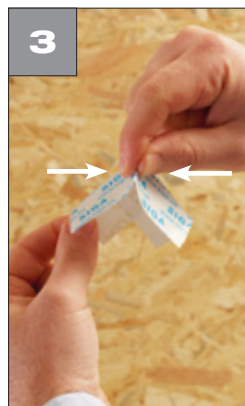
P. 109



Wall: Timber construction

Airtight on the inside

Wall joint timber construction inside corner



- Unfold a short piece of Corvum
- **Make a cut in** centre of side without backing strip
- Fold over at a 90° angle
- Bond together

- Prefold to fit tightly into corner
- Fold back backing strip



- Stick down Corvum corner and press on well
- Repeat first in every inside corner

- Then connect the inside corners:
- Position Corvum accurately in corner and bond side without backing strip first, pressing on firmly
- Remove backing strip and press on



Tips and tricks



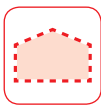
Using the backing strip for simple and quick application:

- First fold back the front end of the backing strip, this way, the backing strip is ready at hand and can be quickly removed later
- Then apply Corvum to fit



Corvum® 30/30

P. 114



Wall: Timber construction ***Airtight on the inside***

Wall joint - timber construction outside corner



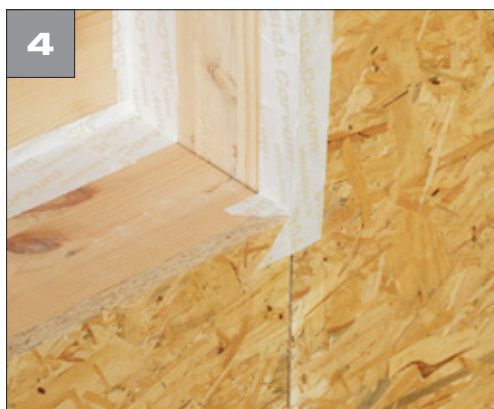
- Affix Corvum to wall with folded edge flush against outside edge
- Add about 3 cm at each end and cut off



- Remove backing strip
- Unfold

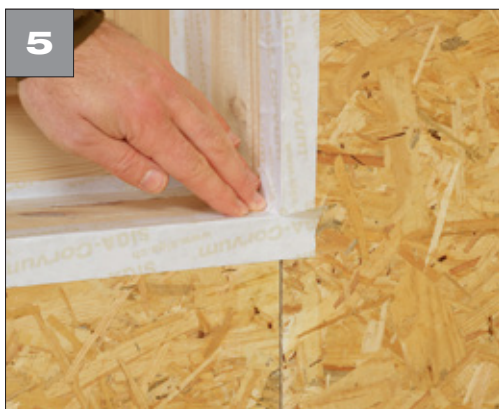


- Cut into the corner from the inside out, approximately bisecting the angle
- **Start cut just short of corner!**



- Fold around outside corner
- Press on

Wall: Timber construction *Airtight on the inside*



- Repeat on each side



- Fit a short piece of Corvum into corner
- Remove the backing strip
- Press on
- Repeat on each side



How it should look:

- Outside corner is permanently airtightly sealed with Corvum 30/30



Corvum® 30/30

P. 114



Wall: Timber construction

Airtight on the inside

Joining window to timber wall construction



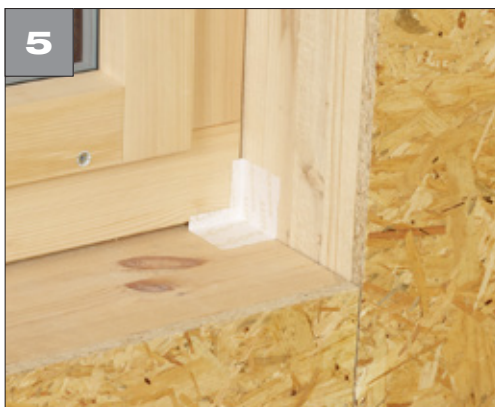
- Cut off a short piece, unfold
- Make a 12 mm cut in the centre of one side



- Fold over at a 90° angle
- Bond together
- Make a corner crease



- Remove backing strip



- Press into inside corner
- Affix 12 mm side of Corvum to window frame
- Repeat in each inside corner

Wall: Timber construction *Airtight on the inside*



- Then connect the inside corners:
- Affix 12 mm side of Corvum to window frame
- Measure and cut to the correct length



- Remove backing strip
- Unfold
- Press on
- Repeat on each side



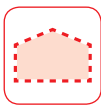
How it should look:

- Recessed window frame airtightly bonded with Corvum 12/48
- Corvum is invisible behind cladding



Corvum® 12/48

P. 115



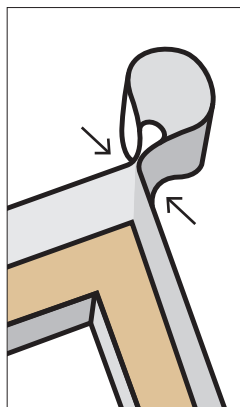
Wall: Timber construction

Airtight on the inside

Joining window to timber wall construction



- Bond to windowsill joint profile **at the bottom**
- Projecting by joint width plus approx. 6 cm on both sides
- Press on firmly



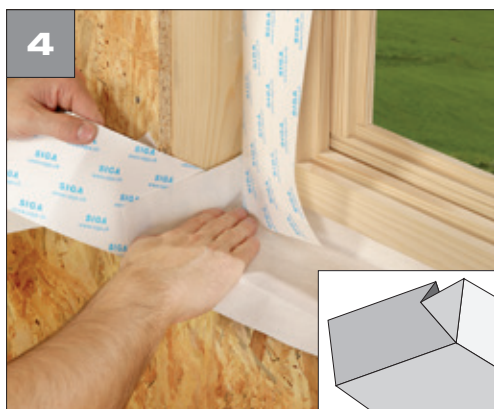
- Bond laterally to the frame
- Press on firmly

Top corners:

- Form a loop: 1.5 x joint width
- Bond or press together firmly
- Repeat on the other side



- Install the window



- Form trough

Wall: Timber construction *Airtight on the inside*



- Cut into the corners
- Remove backing strip and press on firmly

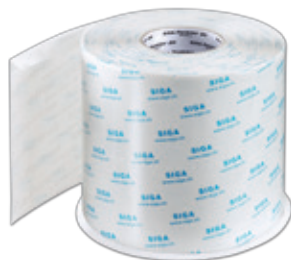


- Repeat on each side



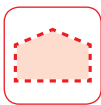
How it should look:

- Window frame joined airtight to timber wall construction



Fentrim® IS 20

P. 130



Wall: Timber construction *Airtight on the inside*

Indoor base joint



- Clean the substrates to be bonded
- **Shake SIGA-Dockskin**
- Apply a covering coat
- Depending on temperature and substrate, wait 5-20 minutes until Dockskin is transparent and sticky



- Apply Rissan in the middle, align
- Peel off the **slit backing strips** one after another, press down
- Make sure sufficient of the adhesive surface of Rissan is applied to the substrates to be bonded



Dockskin®

P. 117

Rissan® 100 & 150

P. 111

Wall: Timber construction *Airtight on the inside*



Alternatively:



- Affix Fentrim 50/85 with 50 mm side to wood-based panel
- Affix perforated 85 mm side to concrete
- If necessary pre-treat substrate with **SIGA-Dockskin**

How it should look:

- Timber wall construction bonded to concrete



Fentrim® 20 50/85

P. 126



Wall: Timber construction

Windtight and rainproof on the outside

Mounting the facade membrane

1 Rear-ventilated facades



- Majvest is suitable for rear-ventilated facades with closed facade covering

2



- Apply Majvest with the lettering facing you

3



After sealing:

- For final attachment of the membrane mount counter slatting **in structure direction directly on the bearing structure**

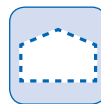


Majvest®

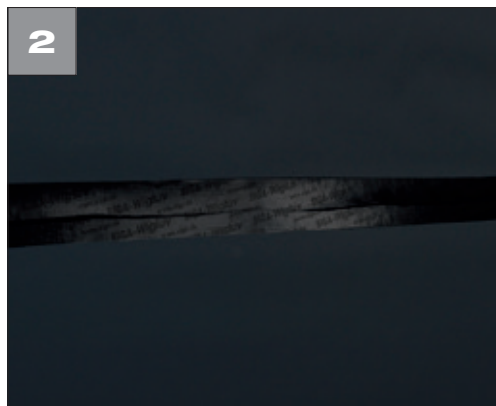
P. 124

Wall: Timber construction

Windtight and rainproof on the outside



Facade membrane overlap



For closed facades:

- Align Wigluv centrally along the overlap and secure in place
- Apply it without tension and creases and press on **firmly**

For open facades:

- Facade membrane overlap sealed windtight using Wigluv black
- Max. distance of open timber facade ≤ 20 mm

For closed facades:



Wigluv® 60

P. 118

For open facades:



Wigluv® black

P. 121



Wall: Timber construction

Windtight and rainproof on the outside

Facade membrane penetration



- Cut off Wigluv 20/40: leave approx. 4 cm on both sides
- Separate the narrow backing strip and affix in the corner
- Separate the wide backing strip and press on firmly
- Cut the corner at 45°



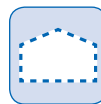
- Fold over
- Press on



- Repeat at each side of the penetration

Wall: Timber construction

Windtight and rainproof on the outside



4

How it should look:

- Square penetration sealed windtight using Wigluv 20/40.



5

How it should look:

- Penetration of open facade sealed windtight using Wigluv black

For closed facades:



Wigluf® 20/40

P. 119

For open facades:



Wigluf® black

P. 121



Wall: Timber construction

Windtight and rainproof on the outside

Joining window to facade membrane

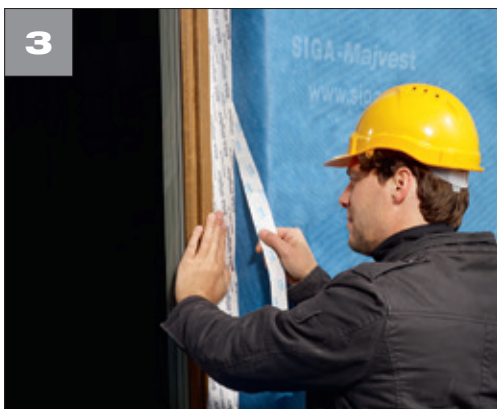


- Pre-fold the corner using Wigluv 20/40
- Affix precisely in the window corner
- Repeat at all corners



Connect corners:

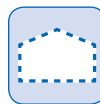
- Align Wigluv 20/40 in the corner
- Remove narrow backing strip
- Affix the narrow side to the window frame and press on



- Remove the wide backing strip
- Affix the wide side to the facade membrane and press on firmly

Wall: Timber construction

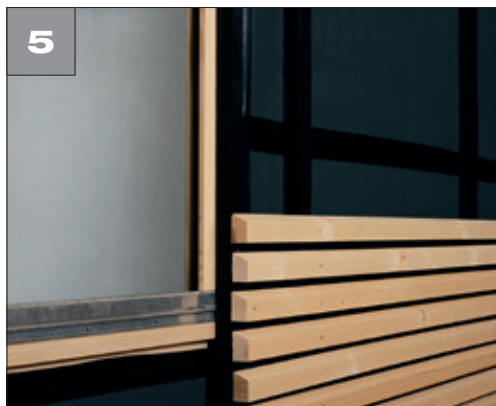
Windtight and rainproof on the outside



4

How it should look:

- Window sealed windtight using Wigluv 20/40



5

How it should look:

- The window next to a visible facade is sealed windtight with Wigluv black

For closed facades:



Wigluv® 20/40

P. 119

For open facades:



Wigluv® black

P. 121



Wall: Timber construction

Windtight and rainproof on the outside

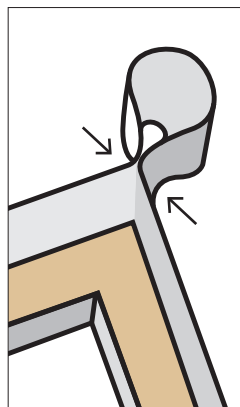
Joining window alternatively to facade membrane



- Bond to windowsill joint profile **at the bottom**
- Projecting by joint width plus approx. 6 cm on both sides
- Press on firmly



- Bond laterally to the frame
- Press on firmly

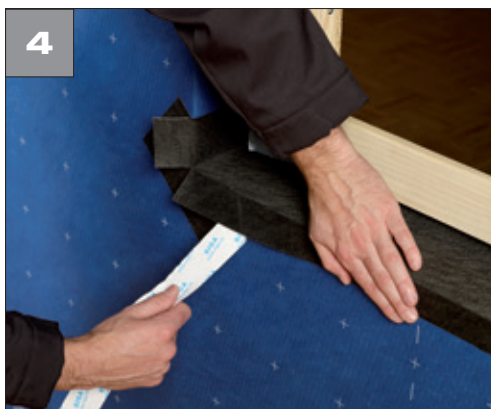


Top corners:

- Form a loop: 1.5 x joint width
- Bond or press together firmly
- Repeat on the other side

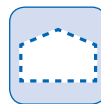


- Install the window
- Suggestion: Mount a wedge for better water discharge.
- Bond bottom edge diagonally
- Form trough

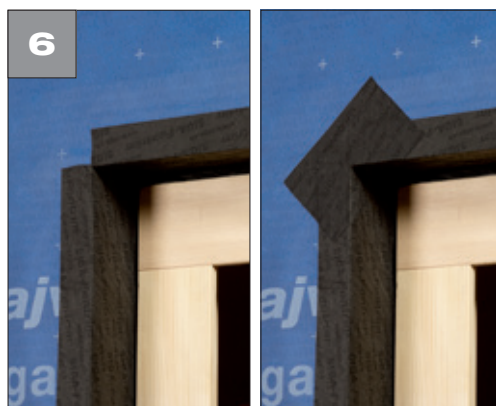


- Cut into the corners
- Bond Fentrim over the complete sill depth

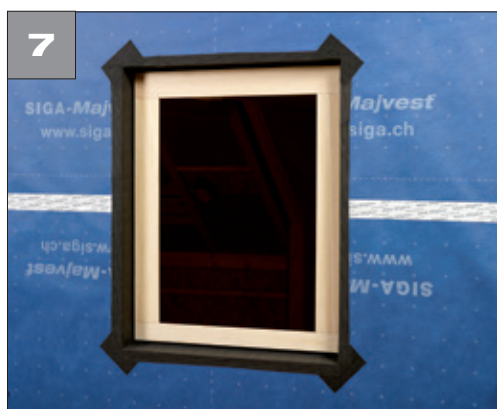
Wall: Timber construction *Windtight and rainproof on the outside*



- Bond Fentrim laterally over the complete reveal depth

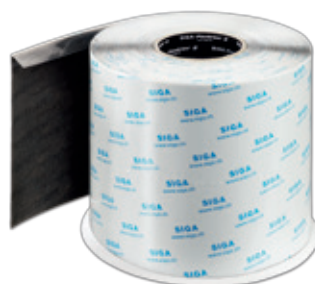


- Cut into top corners
- Fold over and bond the excess
- Bond top corners diagonally, cut in, fold over and press on firmly



How it should look:

- Window frame joined to facade membrane impermeable to driving rain and windtight



Fentrim® IS 2

P. 131



Wall: Timber construction

Windtight and rainproof on the outside

Outdoor base joint



- Shake **SIGA-Dockskin**
- Apply a covering coat
- Depending on temperature and substrate, wait 5 - 20 minutes until Dockskin is transparent and sticky



- Apply Wigluv in the middle, align
- Peel off backing strips one after the other, press down
- **Note:** make sure to apply sufficient Wigluv on the concrete and woodfibre boards



Dockskin®

P. 117

Wigluv® 100 & 150

P. 120

Wall: Timber construction *Windtight and rainproof on the outside*

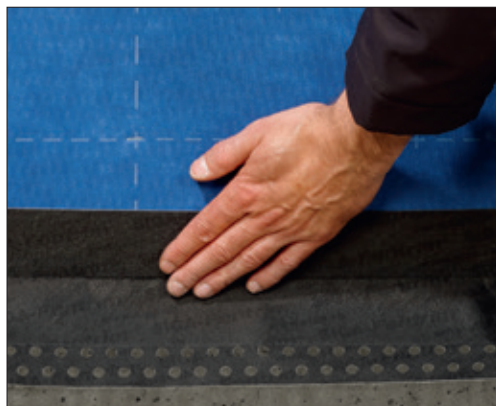


Alternatively:



- Apply Primur roll, align and press it down
- Remove backing strip
- Apply facade membrane free of tension and creases and press it down vigorously

Alternatively:



- Affix 50 mm side to facade membrane
- Affix perforated 85 mm side to concrete base
- Apply free of tension and creases and press it down vigorously

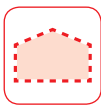


Primur® roll

P. 113

Fentrim® 2 50/85

P. 127



Roof

Airtight on the inside

Mounting vapour control layer under flat or inclined roofs



- Use double-sided adhesive Twinet when mounting vapour control layers on timber or metal substructures
- Avoids leaky stapling points



- Apply vapour control layer with the writing facing you



- Seal overlap with Sicrall avoiding tension and wrinkles

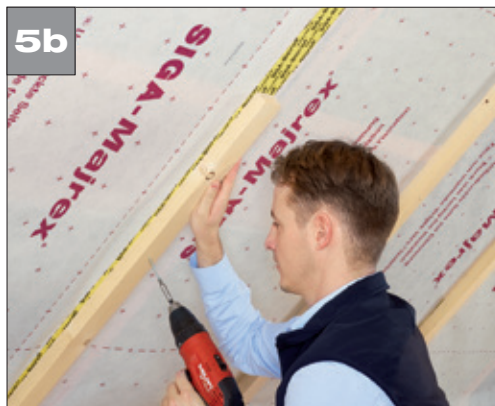


How it should look:

- Vapour control layer mounted on rafters/substructure and bonded to be permanently airtight



After sealing



- Attach battens across structure to bear the weight of the insulation material
- Mount the interior cladding (protects against mechanical influences and UV radiation)
- For wide joists or extremely high insulation material weight we recommend installation of the membrane in the direction of the rafters, sealing in the rafter area and longitudinal installation of the battens



Majrex®

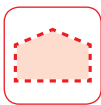
P. 106

Majpell 5

P. 107

Twinet®

P. 116



Roof *Airtight on the inside*

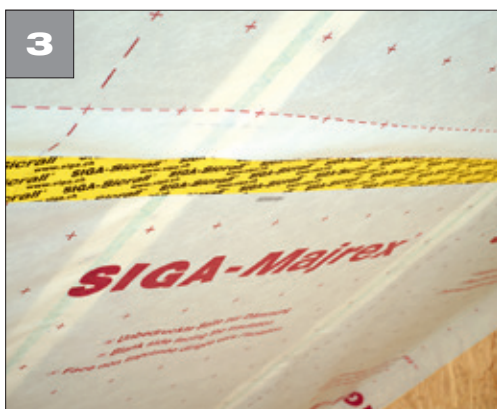
Vapour control layer overlaps



- Release the Sicral backing strip
- Position Sicral in the centre of the overlap and secure it in place



- Remove backing strip
- Apply Sicral free of tension and creases and press it down vigorously



How it should look:

- The overlap is sealed with Sicral 60 and permanently airtight

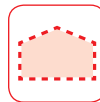


before



Sealing the crease so that it is airtight:

- Seal the crease in a "T" shape away from the overlap using Sicral



Butt-joint



- Apply Sicral along the centre of the joint

- Press it on with a hard rubber roller
- Improves the immediate adhesion



Sicral® 60

P. 108



Roof *Airtight on the inside*

Circular penetration

1



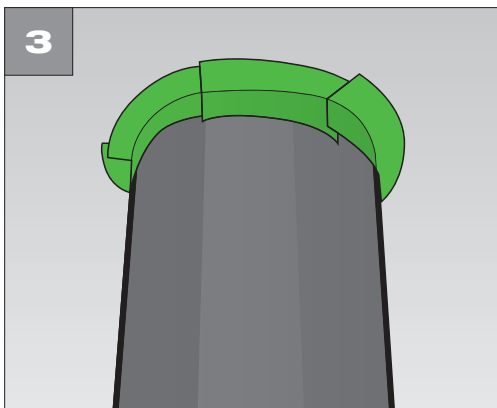
- Crease Rissan lengthwise

2



- Apply Rissan half to the pipe and half to the the vapour control layer without tension

3



- Apply Rissan around circular parts in layers

4



How it should look:

- The circular penetration is airtightly sealed with layers of Rissan 60



Tips and tricks



- For short pieces, separate Rissan from its backing strip
- Pull on Rissan and the backing strip simultaneously
- Block Rissan roll with one hand
- Use other hand to tear off Rissan over blade with a quick jerking movement



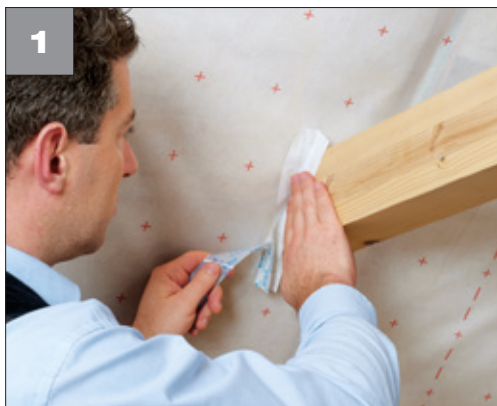
Rissan® 60

P. 110

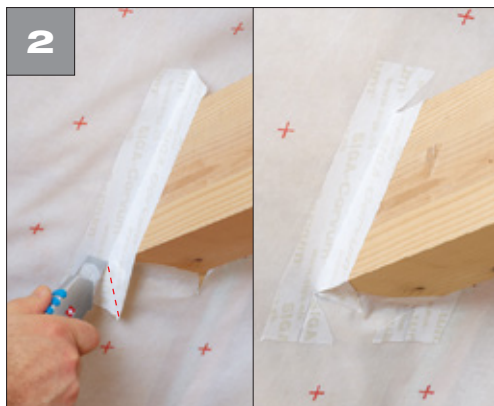


Roof *Airtight on the inside*

Angular penetration



- Cut Corvum to length: add about 3 cm at each end
- Bond tightly into corner for joists (with folded edge against joist)
- Remove the backing strip
- Unfold, press on



- Cut into the excess, bisecting the angle
- **Start cut just short of the corner of the joist!**
- Repeat on each side of the joist



How it should look:

- Joist permanently airtightly sealed with Corvum 30 / 30



Corvum® 30/30

P. 114



Purlin joint



- Bond Corvum accurately to the purlin below the rafters with the pre-folded edge at the top
- Press on firmly

- Successively remove backing strip and bond vapour control layer to smooth inner of Corvum
- Press on firmly



- Unfold Corvum and mount vapour control layer

How it should look:

- The purlins have been airtightly bonded with Corvum 30/30



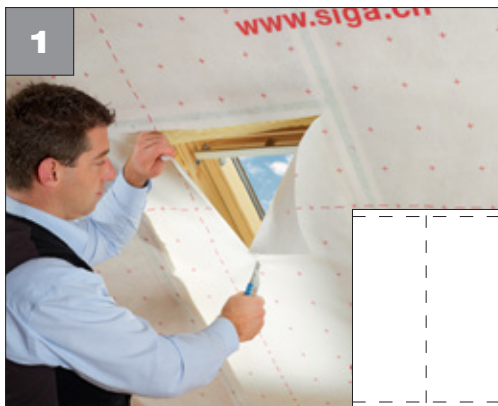
Corvum® 30/30

P. 114



Roof *Airtight on the inside*

Skylight joint



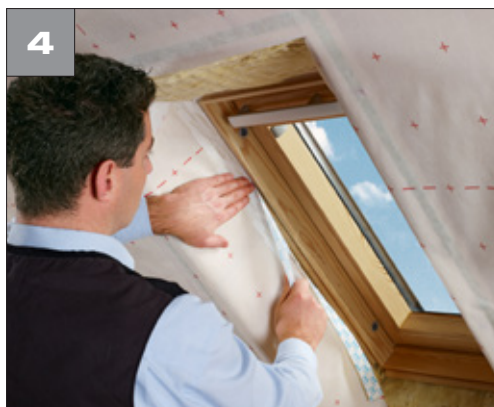
- Cut vapour control layer



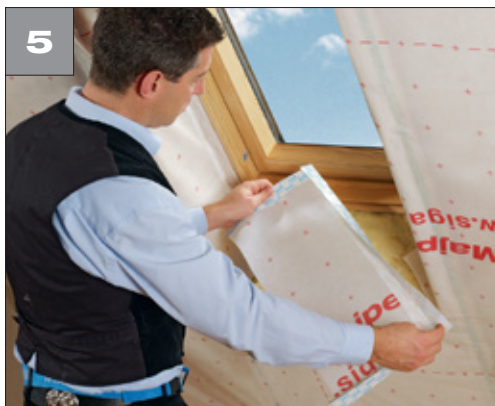
- Cut vapour control layer to reveal depth



- Affix Corvum to vapour control layer with the folded edge flush with the sheet edge
- Press on



- With the backing strip folded back insert Corvum accurately into the groove, **affix Corvum all the way to the corner**
- Successively remove backing strip
- Press on



- Mount the remaining vapour control layer sheets: Cut sheet to size
- Affix Corvum with the folded edge flush with the sheet edge on three sides



- With the backing strip folded back insert Corvum accurately into the groove
- **Affix Corvum all the way to the corner**
- Successively remove backing strip
- Press on



- Seal the sides

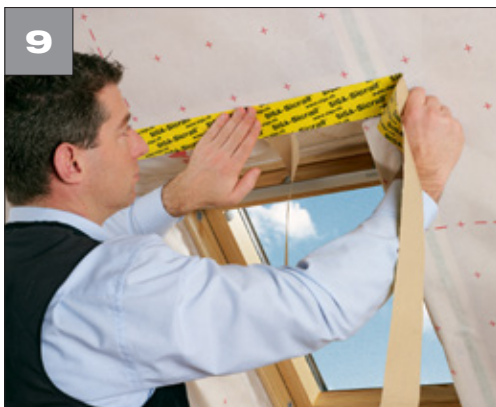


- Cut out 90° angle pieces from 4 short pieces of Corvum
- Seal the corners



Roof *Airtight on the inside*

9



- Finally seal the overlaps using Sicral 60

10



How it should look:

- Skylight permanently airtightly sealed with Corvum 30/30 and Sicral 60

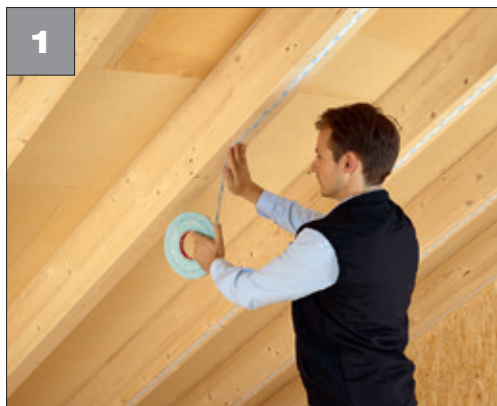


Corvum® 30/30

P. 114



Mounting vapour control layer for injection insulation

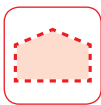


- Prepare rafter bottom side with Twinet to prevent uncontrolled filling of neighbouring field
- **Attention:** Twinet is not designed for permanent carrying of the insulation material weight
- Apply vapour control layer with the writing facing you, **press firmly onto Twinet**
- Overlap the membranes by approx. 10 cm



or

- **Before injecting the insulation material:**
Install battens (to carry the insulation material weight)



Roof *Airtight on the inside*



- Make a crosswise cut
- Inject insulation material
- Provide tight joists with an air outlet hole



- Paste over injection hole using Sigrall 170



- Finally install interior cladding (protects against mechanical influences and UV radiation)

- Further information about injection insulation is available at www.siga.swiss or in our user folder
- Ask your SIGA contact person if you have any technical questions
- Always use the injection insulation material according to the manufacturer's instructions
- Installation of vapour control layer with stapler: staple distance $\leq 10 - 15$ cm
- SIGA Majrex and SIGA Majpell 5 can be used with all types of injection insulating material



Tips and tricks



In case of wide rafter fields:

- When the vapour control layer is installed crosswise the seals of the overlaps can be reinforced by additional pieces of Sicrall crosswise to the overlap.

- We recommend (e.g. for flat roofs, wide joists or extremely high insulation material weight) installation of the membrane in the direction of the rafters, sealing in the rafter area and longitudinal installation of the battens.



Majrex®

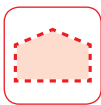
P. 106

Majpell® 5

P. 107

Sicrall 170

P. 109



Roof *Airtight on the inside*

Mounting vapour control layer for roof renovation from the outside



- Fit a sheet of insulating material with a solid structure between the rafters (protects vapour control layer against sharp, protruding objects)
- Seal vapour control layer at the lowest part of the rafters using Twinet



- **Apply Majrex** with the unprinted side facing towards you
- Overlap membranes by approx. 10cm, fix in place with Twinet and additionally with a stapler if required
- See photo 2a for mounting of Majpell 5

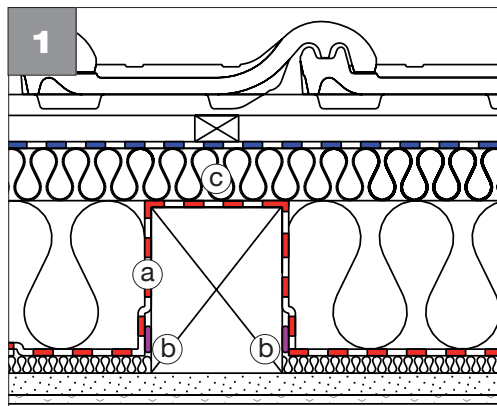
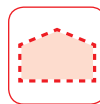


- Seal overlaps and penetrations airtightly using Wigluf 60
- Not suitable for makeshift coverage/ construction coverage



- Fill insulation material in compartments in a tight fit

Roof Airtight on the inside



Roof renovation from the outside with Majpell 5:

- Lay Majpell 5 with the smooth side and the writing facing you

- Seal vapour control layer (a) airtight at the bottom of the rafters with Twinet (b)
- Thermal insulation layer (c) above the rafters $R \geq 1.1$
- For locations > 800 above sea level plan with a building physicist



Majrex®

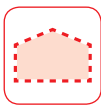
P. 106

Majpell® 5

P. 107

Twinet®

P. 116



Roof *Airtight on the inside*

Mounting vapour control layer for above-rafter insulation



- Apply Majrex with the unprinted side facing towards you
- Overlap membranes by approx. 10 cm, fix in place with Twinet and additionally with a stapler if required

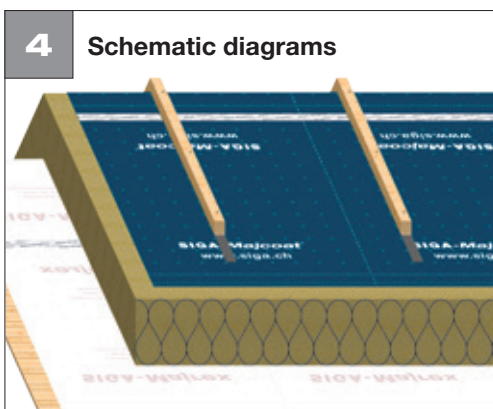


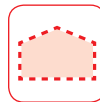
- Seal overlaps and penetrations airtightly using Wigluv 60
- Not suitable for makeshift coverage/ construction coverage



How it should look:

- Majrex for above-rafter insulation





Above-rafter insulation with Majpell 5:

- **Lay Majpell 5** with the smooth side and the writing facing you



Majrex®

P. 106

Majpell® 5

P. 107

Wigluv® 60

P. 118



Roof

Windtight and rainproof on the outside

Installation of roof underlay membrane - with SOB



- Apply the membrane with the lettering facing you



- Fix the membrane above the adhesive joint using a stapler



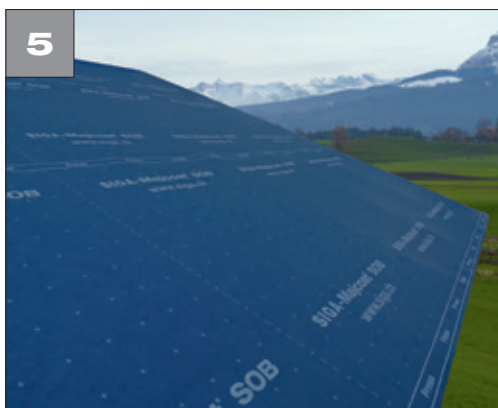
- Lay the second membrane
- Overlap the membranes by approx. 10 cm
- Remove both backing strips



- Press the bond firmly down in the application area
- Install battens

Roof

Windtight and rainproof on the outside



How it should look:

See **Tips and tricks for installation**
P. 90-92

- **Protruding roll core ①** protects Majcoat SOB up to the very last metre
- **Cutting aid ② bonding aid ③ and twin-adhesive zone with adhesive applied on both sides ④** save time



Majcoat® SOB

P. 122

Majcoat® 150 SOB

P. 123



Roof

Windtight and rainproof on the outside

Installation of roof underlay membrane



- Apply the membrane with the lettering facing you



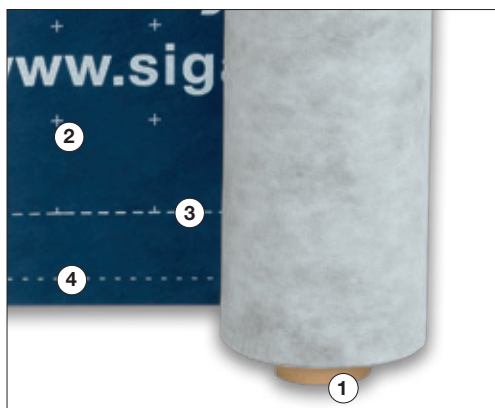
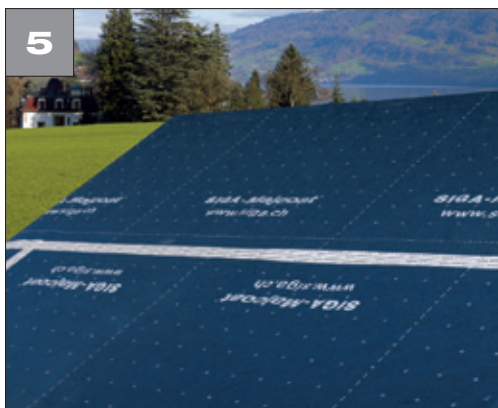
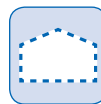
- Secure the membrane in the overlap area using a stapler



- Lay the second membrane
- Overlap the membranes by approx. 10 cm and secure them in the bonding area with a stapler



- Seal the roof underlay membrane rainproof and windtight with Wignuv 60
- Install battens



How it should look:

- The overlap is permanently windtightly sealed with Wigluv 60

- **Protruding roll core** ① protects Majcoat up to the very last metre
- **Printed cutting** ② **laying** ③ and **bonding aid** ④ save time

See **Tips and tricks for installation**
P. 90-92



Majcoat®

P. 122

Majcoat® 150

P. 123

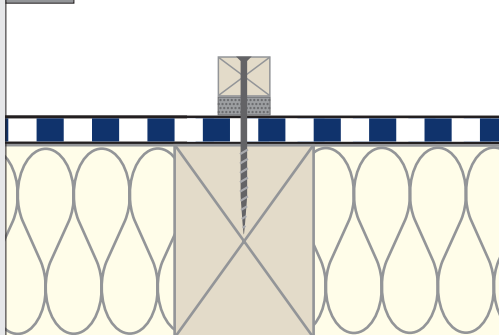


Roof

Windtight and rainproof on the outside

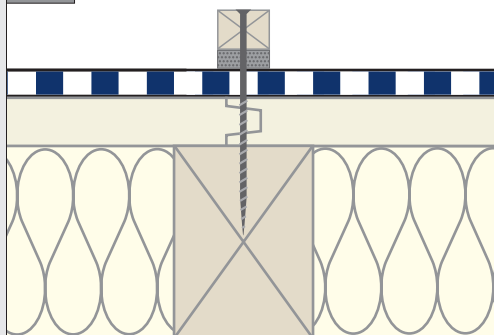
Tips and tricks

A Battens on supporting structure



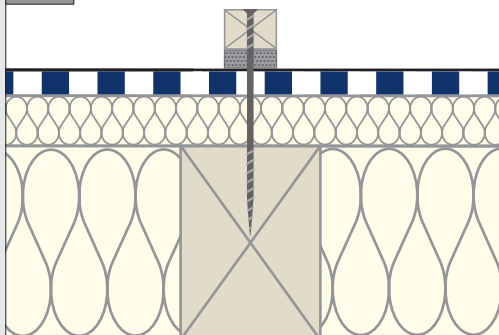
- Mount counter battens in the direction of the supporting structure - directly on the supporting structure, e.g. rafters
- **Important:** counter battens must rest on the underlay with their complete surface

B Battens on boarding/ roof underlay membrane

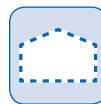


- Mount counter battens directly on boarding or underlays which have been laid flush

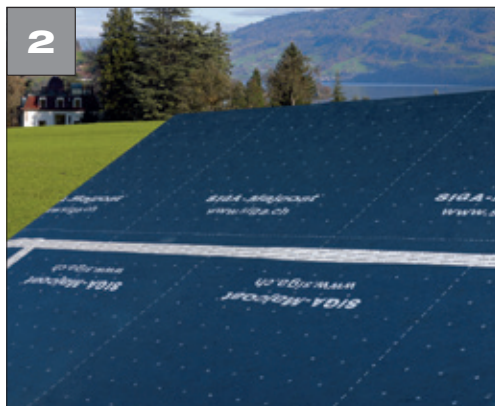
C Heat insulating layer between battens and supporting structure



- Mount using suitable screws (e.g. full thread)
- Sufficient pressure resistance of heat insulation
- Wood-based softboards must be declared as under-roof /underlay boards
- Water carrying layer must be the same height at all points



Roof underlay membrane overlap

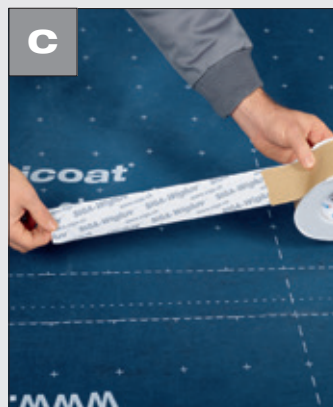


- Align Wigluv centrally along the overlap and secure in place
- Bond without tension and creases and press on firmly
- The printed bonding aid saves time

How it should look:

- The overlap is permanently windtightly sealed with Wigluv 60

Tips and tricks

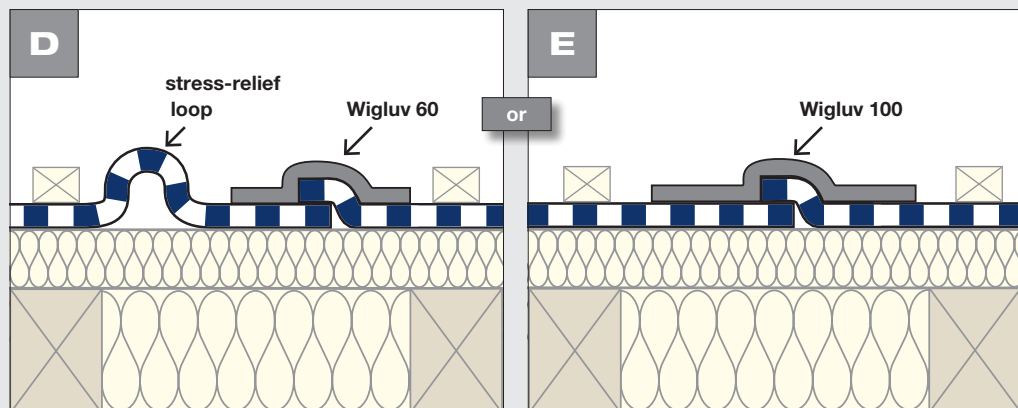


- Release Wigluv from its backing paper
- Unroll a turn of Wigluv so that the backing strip is at the top
- **Advantage:** backing strip separates automatically on unrolling



Roof

Windtight and rainproof on the outside



- Membranes show different expansion and shrinkage characteristics
- **Make a stress-relief loop in the membrane** or seal overlaps with **Wigluv 100** if:
 - the counter battens do not rest on the solid underlay with their complete surface or
 - the membrane is laid vertically



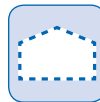
Wigluv® 60

P. 118



Wigluv® 100

P. 120



Roof underlay membrane penetration



- Guide the membrane precisely around the circular penetration
- **Note: Start sealing at the lowest point!**
Provides extra protection against water penetration



- Fix Wigluv half on the circular penetration, then half on the membrane
- Press down firmly
- Apply subsequent pieces in overlapping layers



How it should look:

- Circular penetration sealed windtightly in layers with Wigluv 60
- Water will reliably run off



Wigluv® 60

P. 118



Roof

Windtight and rainproof on the outside

Mounting of nail sealing tape



- Stick the nail sealing tape to the counter batten



- Use backing strip for simple and quick application:
- Fold back the starting part of the backing strip
- Backing strip is handy and can be removed quickly later



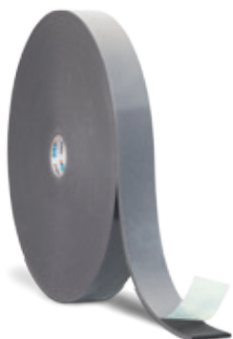
- Align the counter batten with the backing strip folded back on the roof underlay membrane



- Separate the backing strip and press the counter batten down



- Finally mount the roof underlay membrane by screwing or nailing the counter battens to a solid support



Nail sealing tape II[®]

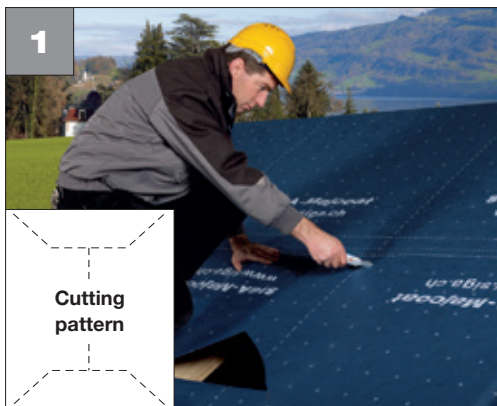
P. 125



Roof

Windtight and rainproof on the outside

Skylight joint



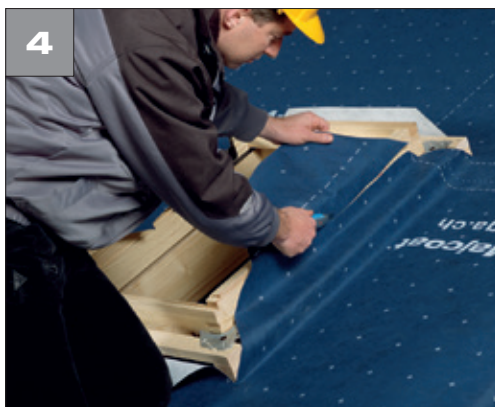
- Make a Y-cut in the roof underlay membrane to the size of the installation frame (see cutting pattern)
- Fold back the sides



- Fit the skylight into the mounting frame
- Screw it on
- **Read and observe the instruction manual supplied by the skylight manufacturer!**



- Secure the roof underlay membrane to installation and skylight frame on all sides

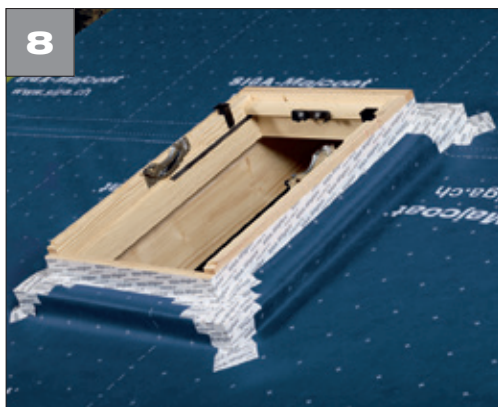


- Cut off approx. 3 cm below the top of the skylight frame



- Seal the corners windtight with short pieces
- **Note: Start sealing from the lowest point!**
Provides extra protection against water penetration

- Seal the roof underlay membrane all around the skylight frame so that it is windtight



How it should look:

- Skylight sealed windtightly with Wigluv 60
- Provide the penetration with extra protection with a deflection plate



Wigluv® 60

P. 118



Roof

Windtight and rainproof on the outside

Bonding woodfibre boards



Requirements for secure bonding:

- The substrate must be sustainable, swept clean and free of ice. It must not be adhesive-repellent

Joint, valley, roof ridge

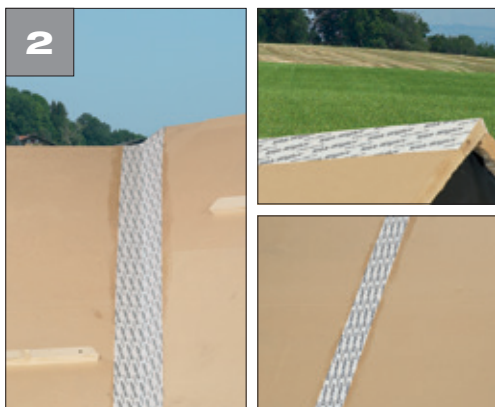


- Prime with Dockskin
- Apply Wigluv in the middle, align



To create extreme adhesion:

- Shake high-performance primer Dockskin
- Apply a covering coat (a)
- Depending on the temperature and substrate wait 5 - 20 minutes until Dockskin is **transparent** and **sticky** (b)

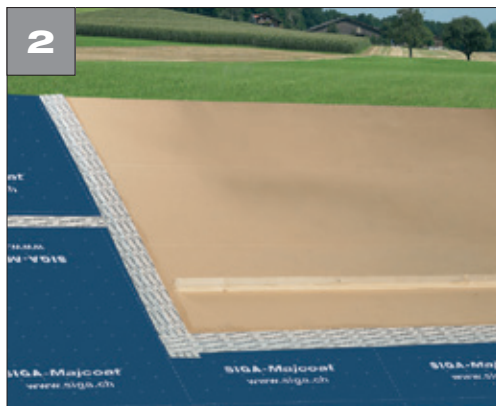


How it should look:

- Valley, ridge and joint are sealed windtightly with Dockskin and Wigluv 100 or 150



Covering membrane



- Prime woodfibre board with Docks skin
- Apply Wigluv in the middle, align
- Remove both backing strips simultaneously, press on

How it should look:

- The transfer area between the covering membrane and the woodfibre board is sealed windtightly with Docks skin and Wigluv 100



Docks skin®

P. 117

Wigluv® 100 & 150

P. 120



Roof

Windtight and rainproof on the outside

Penetration



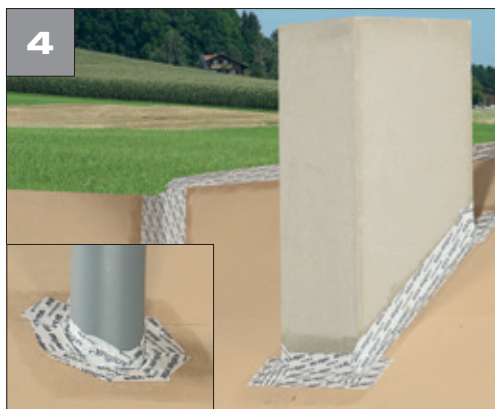
- Prime with Dockskin
- Starting at the bottom and working upwards, cut Wigluv at both ends with approx. 5 cm excess
- Bond half of Wigluv onto the penetration and then half onto the woodfibre board



- Cut into the excess bisecting the angle and fold over
- **Do not apply the knife right in the corner!**

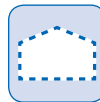


- **Starting at the bottom and working upwards:** repeat on each side



How it should look:

- The penetration is sealed windtightly with Dockskin and Wigluv 100



Skylight



- Prime with Docks skin
- **Starting at the bottom and working upwards:** cut Wigluv to length with approx. 5 cm excess at both ends
- Bond half of Wigluv onto the frame and then half onto the woodfibre board



- Cut into the excess bisecting the angle and fold over
- **Cut just short of the corner!**



- **Starting at the bottom and working upwards:**
Repeat on each side



How it should look:

- The skylight is sealed windtightly with Docks skin and Wigluv 150



- ✓ **Hygrobrid®**
increased safety in
every construction
- ✓ dimensionally stable
can be laid quickly and
without wrinkles
- ✓ printed cutting and laying aid
time saving

Product specifications

Product	Article no.	Width	Length	m ²	Weight	Pallet
Majrex 1,5 m	8310-150050	1,5 m	50 m	75 m ²	13,5 kg	30 rolls

Modified PE/PA reinforced with PET fibres • Thickness: 0.3 mm • Weight per unit area: 150 g/m²
 C€, EN 13984, type A • UV stable: 12 weeks • Fire behaviour: class E (according to EN 13501-1)
 Hygrobrid + moisture variable



- ✓ **sd value 5 m**
safety through high moisture management potential
- ✓ **flexible**
can be laid quickly and easily
- ✓ **printed cutting and laying aid**
time saving



Product specifications

Product	Article no.	Width	Length	m ²	Weight	Pallet
Majpell 5 3 m	8510-300050	3 m	50 m	150 m ²	22 kg	20 rolls
Majpell 5 1.5 m	8510-150050	1.5 m	50 m	75 m ²	11 kg	30 rolls

PO layer, reinforced with PP fibres • Thickness: 0.4 mm • Weight per unit area: 126 g/m²
 CE, EN 13984, type A • UV-stable: 12 weeks • Fire behaviour: class E (according to EN 13501-1)
 sd value: 5 m • Vapour resistance: 1 MNs/g

Sicrall® 60 Single-sided high-performance tape for overlaps



- ✓ **extremely strong adhesion**
reliable, long-term
building value
- ✓ **sturdy carrier material**
saves time in case
of long overlaps
- ✓ **hand-tearable**
time saving

Product specifications

Article no.	Box	Pallet	Width	Length
4510-6040	10 rolls	48 boxes	60 mm	40 m

Special reinforced paper: splash-water resistant, hand-tearable • For above-rafter insulation and renovation from the outside, we recommend Wigluv 60 for the permanent airtight sealing of vapour control layers at overlaps

Suitable for airtight bonding acc. to:

CH: SIA 180:

D: EnEV, DIN 4108-7

AT: ÖNORM B 8110-2:

UK: BS 5250



- ✓ **17 cm wide**
airtight pasting-over
of injection holes
- ✓ **box with cutting gauge**
and built-in blade
quick and accurate cutting
- ✓ **in dispenser box**
roll is protected
against dirt at all times



Product specifications

Article no.	Box	Pallet	Width	Length
4510-17040	1 roll	144 boxes	170 mm	40 m

Special reinforced paper: splash-water resistant, hand-tearable • For permanently windtight sealing of injection holes and leaks in the exterior area, we recommend you use Wigluv 150

Suitable for airtight bonding acc. to:

CH: SIA 180:

D: EnEV, DIN 4108-7

AT: ÖNORM B 8110-2:

UK: BS 5250



- ✓ **extremely strong adhesion**
reliable, long-term
building value
- ✓ **smooth carrier material**
clings tightly around
pipes and cables
- ✓ **elastic**
keeps joints sealed despite
structural movements

Product specifications

Article no.	Box	Pallet	Width	Length
2510-6025	10 rolls	42 boxes	60 mm	25 m

Special, reinforced PE film, elastic • For above-rafter insulation and renovation from the outside, we recommend Wigluv 60 for the permanent airtight sealing of vapour control layers with circular penetrations

Suitable for airtight bonding acc. to:

CH: SIA 180

D: EnEV, DIN 4108-7

AT: ÖNORM B 8110-2:

UK: BS 5250



✓ **extremely strong adhesion**

reliable, long-term
building value

✓ **elastic**

keeps joints sealed
despite structural
movements

✓ **slit backing strip**

simple and quick
to apply



Product specifications

Product	Article no.	Box	Pallet	Width	Length
Rissan 100	2510-10025	6 rolls	42 boxes	100 mm	25 m
Rissan 150	2510-15025	4 rolls	42 boxes	150 mm	25 m

Special, reinforced PE film, elastic • The bond must not be under standing water

Suitable for airtight bonding acc. to:

CH: SIA 180

D: EnEV, DIN 4108-7

AT: ÖNORM B 8110-2

UK: BS 5250



- ✓ **durably elastic**
reliably absorbs structural movements
- ✓ **durably self-adhesive**
no supporting lath required
- ✓ **solvent-free**
unlimited durability,
resistant to ageing

Product specifications

Product	Article no.	Pallet	Box	Contents	Coverage:
Tubular bag	3520	50 boxes	12 tubular bags + 5 nozzles	600 ml	12 - 16 m
Cartridge	3510	75 boxes	12 cartridges	310 ml	6 - 8 m

Container made of PP, no aluminium • 100 % recyclable
Primur can be painted over • Keep out of reach of children!

Suitable for airtight bonding acc. to:

CH: SIA 180:

D: EnEV, DIN 4108-7

AT: ÖNORM B 8110-2

UK: BS 5250



- ✓ **extremely high adhesive strength without drying time**
indoor and outdoor joints can be subjected to loads immediately
- ✓ **apply Primur roll before mounting the vapour control layer**
clean and 50% less working time
- ✓ **constantly 4 mm thick and elastic**
reliably absorbs structural movements



Product specifications

Article no.	Box	Pallet	Width	Thickness	Length
3540-1208	10 rolls	40 boxes	12 mm	4 mm	8 m

The bond must not be under standing water
Primur can be painted over

Suitable for airtight bonding acc. to:

CH: SIA 180: D: EnEV, DIN 4108-7 AT: ÖNORM B 8110-2 UK: BS 5250



- ✓ **pre-folded 30/30 mm**
precise and secure in corners
- ✓ **1 backing strip already removed**
simple and quick bonding
- ✓ **1 backing strip protruding**
easy to remove

Product specifications

Article no.	Box	Pallet	Width	Length
5200-303025	10 rolls	40 boxes	30/30 mm	25 m

Special reinforced paper: splash-water resistant

Suitable for airtight bonding acc. to:

CH: SIA 180: D: EnEV, DIN 4108-7

AT: ÖNORM B 8110-2

UK: BS 5250



- ✓ **pre-folded 12/48 mm**
invisible behind cladding
- ✓ **1 backing strip already removed**
simple and quick bonding
- ✓ **1 backing strip protruding**
easy to remove



Product specifications

Article no.	Box	Pallet	Width	Length
5200-124825	10 rolls	40 boxes	12/48 mm	25 m

Special reinforced paper: splash-water resistant

Suitable for airtight bonding acc. to:

CH: SIA 180: D: EnEV, DIN 4108-7

AT: ÖNORM B 8110-2

UK: BS 5250



- ✓ **extremely adhesive on both sides**
quick, safe installation without stapler
- ✓ **protective coating prevents soiling**
simple to apply up to the end
- ✓ **tearproof backing strip**
saves time

Product specifications

Article no.	Box	Pallet	Width	Length	Non-woven carrier thickness
6610-2050	10 rolls	75 boxes	20 mm	50 m	0.35 mm

Twinet is not suitable for permanent load-bearing applications • After installation, the vapour control layer must be additionally fastened, e.g. using jack rafters, counter battens, facing



- ✓ **quick drying**
saves time
- ✓ **strong penetration**
extremely good adhesion on soft
fibre boards, masonry and concrete
- ✓ **usable on cold substrates from -10° C**
solvent-free



Product specifications

Product	Article no.	Coverage with Rissan/Wigluv 100	Coverage with Rissan/Wigluv 150	Box	Pallet
Dockskin 4 kg	5920	~140 m	~100 m	-	96 containers
Dockskin 1 kg	5930	~35 m	~25 m	8 bottles	56 boxes

Water-based, solvent-free acrylate-copolymer dispersion • Shelf life: 18 months from the date of sale if unopened • Clean the brush immediately with water • Keep out of reach of children!



- ✓ **high adhesive strength**
at high and low temperatures
reliable,
long-term building value
- ✓ **diffusible $s_d < 2\text{ m}$**
prevents condensation
build-up
- ✓ **resistant to driving rain and**
impermeable to water
permanent protection for
roof and facade

Product specifications

Article no.	Box	Pallet	Width	Length
7510-6040	10 rolls	48 boxes	60 mm	40 m

Diffusible, special PO film • s_d -value $< 2\text{ m}$ • Vapour resistance: $< 0.4\text{ MNs/g}$ • Hand-tearable, elastic, impermeable to water • Suitable for makeshift coverage/construction cover • The bond must not be under standing water



- ✓ **slit and tearproof backing strips 20/40**
precise and quick in corners
- ✓ **diffusible $s_d < 2\text{ m}$**
prevents condensation
build-up
- ✓ **high adhesive strength at high and low temperatures**
reliable,
long-term building value



Product specifications

Article no.	Box	Pallet	Width	Length
7510-6025	10 rolls	42 boxes	20/40 mm	25 m

Diffusible, special PO film • s_d -value $< 2\text{ m}$ • Vapour resistance: $< 0.4\text{ MNs/g}$ • Elastic, impermeable to water • The bond must not be under standing water



- ✓ **high adhesive strength at high and low temperatures**
reliable, long-term
building value
- ✓ **diffusible $s_d < 2\text{ m}$**
prevents condensation
build-up
- ✓ **slit backing strip**
simple and quick to apply



Product specifications

Product	Article no.	Box	Pallet	Width	Length
Wigluv 100	7510-10025	6 rolls	42 boxes	100 mm	25 m
Wigluv 150	7510-15025	4 rolls	42 boxes	150 mm	25 m

Diffusible, special PO film • s_d -value $< 2\text{ m}$ • Vapour resistance: $< 0.4\text{ MNs/g}$ • Elastic,
impermeable to water • The bond must not be under standing water



- ✓ **extremely UV-stable**
highly resistant to ageing on
black facade membranes
- ✓ **high adhesive strength at high
and low temperatures**
reliable, long-term building
value
- ✓ **diffusible $s_d < 2\text{ m}$**
prevents condensation
build-up



Product specifications

Article no.	Box	Pallet	Width	Length
7509-6040	10 rolls	48 boxes	60 mm	40 m

Diffusible, special PO film • Hand-tearable • s_d -value $< 2\text{ m}$ • Vapour resistance: $< 0.4\text{ MNs/g}$ • Elastic, impermeable to water • The bond must not be under standing water



- ✓ **SIGA adhesive strength**
« on board »
sticks permanently and
extremely well at high and
low temperatures
- ✓ **3 layers, functional layer**
protected by 2 fleeces
resistant to driving rain and
durably moisture-diffusing
- ✓ **sturdy and tear-proof**
no damage in
construction phase

Product specifications

Majcoat

Article no.	Width	Length	m ²	Weight	Pallet
8710-150050	1.5 m	50 m	75 m ²	16 kg	30 rolls

Majcoat SOB

Article no.	Width	Length	m ²	Weight	Pallet
8720-150050	1.5 m	50 m	75 m ²	17 kg	30 rolls

3 layers, functional layer reinforced on both sides with PP non-woven • Thickness: 0.6 mm
 Weight per unit area: 190 g/m² • C€ EN 13859-1/EN 13859-2 • sd value: 0.1 m
 Vapour resistance: <0.02 MNs/g • Resistant to driving rain, waterproof: > W1 (according to EN 1928)
 Fire behaviour: class E (according to EN 13501-1) • The roof pitch must be at least 10°

Suitable as roof underlay for normal and increased requirements according to SIA 232
 Complies with the ZVDH product data sheet Breathing membranes class UDB-A according to table 1
 Suitable as roof membrane class USB-A
 Suitable for makeshift coverage/construction cover for up to 8 weeks
 Suitable SIGA accessories: Wigluv, Primur roll, SIGA nail sealing tape II
 Majcoat SOB: Suitable as rainproof roof underlay according to ONORM B 4119

- ✓ **SIGA adhesive strength**
«on board»
sticks extremely strong at
high and low temperatures
- ✓ **imprinted laying aid**
fast and easy application
- ✓ **sturdy**
tear and abrasion resistant



Product specifications

Majcoat 150

Article no.	Width	Length	m ²	Weight	Pallet
8730-300050	3 m	50 m	150 m ²	24 kg	20 rolls
8730-150050	1,5 m	50 m	75 m ²	12 kg	30 rolls

Majcoat 150 SOB

Article no.	Width	Length	m ²	Weight	Pallet
8740-150050	1.5 m	50 m	75 m ²	13 kg	30 rolls

3 layers, functional layer reinforced on both sides with PP non-woven • Thickness: 0.55mm
 Weight per unit area: 150 g/m² • CE, EN 13859-1/EN 13859-2 • sd value: 0.05 m
 Vapour resistance: <0.01 MNs/g • Resistant to driving rain, waterproof: > W1 (according to EN 1928)
 Fire behaviour: class E (according to EN 13501-1) • The roof pitch must be at least 10°

Suitable as roof underlay for normal and increased requirements according to SIA 232
 Complies with the ZVDH product data sheet Breathing membranes class UDB-A according to table 1
 Suitable as roof membrane class USB-A
 Suitable for makeshift coverage/construction cover for up to 4 weeks
 Suitable SIGA accessories: Wigluv, Primur roll, SIGA nail sealing tape II
 Majcoat 150 SOB: Suitable as rainproof roof underlay according to ÖNORM B 4119



- ✓ **3-layer, tear-proof and flexible**
can be laid easily,
quickly and securely
- ✓ **ideal for roof and facade**
for all-purpose application
- ✓ **cutting and bonding aid**
time saving

Product specifications

Product	Article no.	Width	Length	m ²	Weight	Pallet
3 m	8910-300050	3 m	50 m	150 m ²	22 kg	20 rolls
1.50 m	8910-150050	1.50 m	50 m	75 m ²	11 kg	20 rolls

3-layered, functional layer, reinforced on both sides with PP fibre-fleece • Thickness: 0.5 mm • Weight per unit area: 135 g/m² • CE, EN 13859-1 / EN 13859-2 • s_d value: 0.05 m • Vapour resistance: <0.01 MNs/g
Resistant to driving rain, waterproof: W1 (according to EN 1928) • Fire behaviour: class E according to EN 13501-1 • The roof pitch must be at least 10°

Suitable as breathable membranes for normal and increased requirements according to SIA 232
Complies with the ZVDH product data sheet "Breathing membranes class UDB-B" according to table 1

Suitable as roof membrane class USB-A

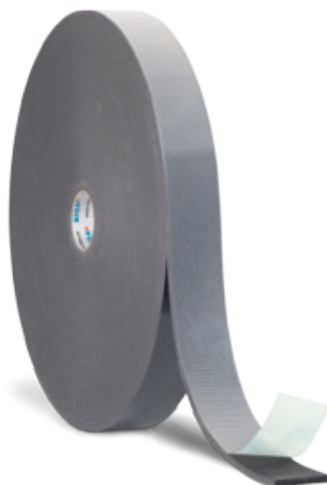
Suitable for makeshift coverage for up to 4 weeks

Suitable SIGA accessories: Wigluv, Primur roll, SIGA-Nail sealing tape II

Note: Processing in roof same as SIGA-Majcoat



- ✓ **extremely adhesive on both sides**
resistant to driving rain,
suitable for makeshift coverage
- ✓ **pre-assembly on counter batten**
simple and quick application
- ✓ **4 mm thick special foam**
reliable,
long-term building value



Product specifications

Article no.	Box	Pallet	Width	Thickness	Length
2005-50430	10 rolls	18 boxes	50 mm	4 mm	30 m

For roof gradients > 10° • Not recommended for PVC membranes

Fentrim® 20 50/85

Airtight high-performance tape with perforated plastering zone for plastered joints, for indoor application



- ✓ **extremely high adhesive strength on entire surface**
easy to apply,
immediately 100 % tight
- ✓ **pre-folded, without backing strip**
fastest bonding to
building components
- ✓ **non-woven with perforated zone suited for plastering-over**
strong plaster adhesion
on masonry

Product specifications

Article no.	Box	Pallet	Width	Length
9511-508525	6 rolls	30 boxes	50/85 mm	25 m

Fire behaviour: class E (according to EN 13501-1)

Suitable for airtight bonding acc. to:

CH: SIA 180:

D: EnEV, DIN 4108-7

AT: ÖNORM B 8110:

UK: BS 5250

Europ. Patent: 1339924 / US Patent No. 7.445.828 B2



- ✓ **extremely high adhesive strength**
on entire surface
easy to apply, immediately 100 % tight
- ✓ **pre-folded, without backing strip**
fastest bonding to
building components
- ✓ **non-woven with perforated**
zone suited for plastering-over
strong plaster adhesion on masonry



Product specifications

Article no.	Box	Pallet	Width	Length
9512-508525	6 rolls	30 boxes	50/85 mm	25 m

Fire behaviour: class E (according to EN 13501-1)
The bond must not be under standing water

Suitable for airtight bonding acc. to:

CH: SIA 180: D: EnEV, DIN 4108-7 AT: ÖNORM B 8110-2 UK: BS 5250



- ✓ **extremely high adhesive strength on entire surface**
easy to apply,
immediately 100 % tight
- ✓ **15 mm pre-folded, without backing strip**
fastest bonding to
window frames
- ✓ **non-woven with perforated zone suited for plastering-over**
strong plaster adhesion
on masonry

Product specifications

Product	Article no.	Box	Pallet	Width	Length
100 mm	9511-158525	6 rolls	35 boxes	15/85 mm	25 m
150 mm	9511-1513525	4 rolls	35 boxes	15/135 mm	25 m
200 mm	9511-1518525	2 rolls	49 boxes	15/185 mm	25 m

Fire behaviour: class E (according to EN 13501-1)
Suitable for installation as per RAL guidelines

Suitable for airtight bonding acc. to:

CH: SIA 331/343/274

D: EnEV

AT: ÖNORM B 5320

UK: BS 5250



- ✓ **extremely high adhesive strength on entire surface**
easy to apply,
immediately 100 % tight
- ✓ **15 mm pre-folded, without backing strip**
fastest bonding to
window frames
- ✓ **non-woven with perforated zone suited for plastering-over**
strong plaster adhesion
on masonry

**Product specifications**

Product	Article no.	Box	Pallet	Width	Length
100 mm	9512-158525	6 rolls	35 boxes	15/85 mm	25 m
150 mm	9512-1513525	4 rolls	35 boxes	15/135 mm	25 m
200 mm	9512-1518525	2 rolls	49 boxes	15/185 mm	25 m

UV resistance / atmospheric exposure: up to 3 months • **Fire classification:** class E (according to EN 13501-1)
Suitable for installation as per RAL guidelines • The bond must not be under standing water

Suitable for airtight bonding acc. to:

CH: SIA 331/343/274

D: EnEV

AT: ÖNORM B 5320

UK: BS 5250



✓ extremely high adhesive strength on entire surface
easy to apply,
immediately 100 % tight

✓ 15 mm pre-folded,
without backing strip
fastest bonding to
window frames

✓ bonding from -10° C
fast and tight window
installation all year-round



Product specifications

Product	Article no.	Box	Pallet	Width	Length
75 mm	9611-156025	8 rolls	35 boxes	15/60 mm	25 m
100 mm	9611-158525	6 rolls	35 boxes	15/85 mm	25 m
150 mm	9611-1513525	4 rolls	35 boxes	15/135 mm	25 m
200 mm	9611-1518525	2 rolls	49 boxes	15/185 mm	25 m
250 mm	9611-1523525	2 rolls	35 boxes	15/235 mm	25 m
300 mm	9611-1528525	2 rolls	35 boxes	15/285 mm	25 m

Fire behaviour: class E (according to EN 13501-1)
Suitable for installation as per RAL guidelines

Suitable for airtight bonding acc. to:

CH: SIA 331/343/274

D: EnEV

AT: ÖNORM B 5320

UK: BS 5250

- ✓ **extremely high adhesive strength on entire surface**
easy to apply,
immediately 100 % tight
- ✓ **15 mm pre-folded, without backing strip**
fastest bonding to
window frames
- ✓ **bonding from -10° C**
fast and tight window
installation all year-round



Product specifications

Product	Article no.	Box	Pallet	Width	Length
75 mm	9612-156025	8 rolls	35 boxes	15/60 mm	25 m
100 mm	9612-158525	6 rolls	35 boxes	15/85 mm	25 m
150 mm	9612-1513525	4 rolls	35 boxes	15/135 mm	25 m
200 mm	9612-1518525	2 rolls	49 boxes	15/185 mm	25 m
250 mm	9612-1523525	2 rolls	35 boxes	15/235 mm	25 m
300 mm	9612-1528525	2 rolls	35 boxes	15/285 mm	25 m

UV resistance / atmospheric exposure: up to 3 months • **Fire classification:** class E (according to EN 13501-1)
Suitable for installation as per RAL guidelines • The bond must not be under standing water

Suitable for airtight bonding acc. to:

CH: SIA 331/343/274

D: EnEV

AT: ÖNORM B 5320

UK: BS 5250

Warranty

SIGA gives a warranty in accordance with national laws on all properties guaranteed in the instruction manual. However, SIGA excludes any liability for processing or use that does not comply with the instructions, or:

- ▶ in case of unusual influences on the product, in particular of chemical or mechanical nature
- ▶ if permanent mechanical strain (e.g. due to tensile forces resulting from insulation material weight) has an impact on the seal
- ▶ in case of multi-layered membranes or panelling materials without sufficient cohesive strength
- ▶ in case of weather resistive adhesion at roof pitches of $< 10^\circ$
- ▶ in case of open facade cladding with Majcoat/Majvest
- ▶ for Dockskin, if the adhesion is not executed with Wigluv, Rissan, Sicrall, Corvum, Primur, Twinet, or Fentrim
- ▶ if SIGA Fentrim IS is plastered over directly
- ▶ in case of airtight sealing in sauna and swimming pool applications
- ▶ if SIGA Fentrim / Fentrim 50/85 are applied directly on to a wood-based softboard
- ▶ in case of bonds against standing, non-pressing water according to DIN 18195/SIA 271
- ▶ if the requirements for a safe installation of the membranes are not fulfilled: The substrate must be free from any protruding, harmful objects such as screws etc.
- ▶ if the requirements for reliable bonding are not fulfilled: The substrate must be dry, uninterrupted, even, capable to bear loads, free of dust and grease and must not repel adhesives. Clean substrate before bonding and perform adhesion test on site. If necessary, strengthen with high-performance primer SIGA-Dockskin. Caution! The bonds must not be under standing water. Creases or tensions in the membranes/ tape must be relieved by cutting and resealed.

Prerequisite for safe plastering over SIGA Fentrim:

- ▶ Before starting the plastering work make a plastering test on site
- ▶ Follow the recommendations of the plaster manufacturer

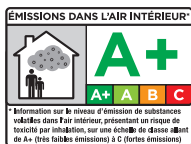
SIGA early warning system:

Thanks to the unique SIGA early warning system, any modifications and new developments in the field of standard substrates, boards or membranes, are systematically recorded and taken into account in the further development of SIGA products. Therefore, you should arrange for a regular inventory turnover to ensure that you always have SIGA products that are state-of-the-art in terms of technology and ecology.

Manual:

This manual can become invalid if new knowledge is acquired or new developments are made. The currently valid manual is available at www.siga.swiss

International Tests:



Technical details

Adhesive: SIGA high-performance adhesives are free of solvents, VOC, high boilers, plasticizers, chlorine and formaldehyde. They cannot be removed after application.

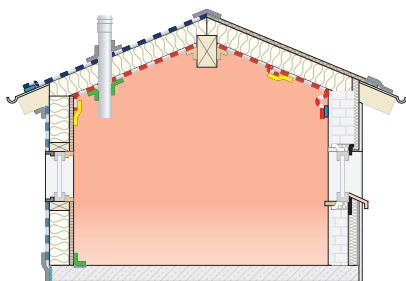
Working temperature: From -10 °C; Majcoat SOB from -15 °C; Primur cartridge and tubular bag: from +5 °C

Ageing resistance: Durable adhesive power; made without rubber, resins or solvents to prevent embrittlement.

Storage: Store cool and dry in original box. Store Primur cartridge, Primur tubular bag, and Dockskin in a cool, dry and frost-protected place in their original boxes. Store Majrex, Majpell, Majcoat, and Majvest in a cool, dry and UV-protected place.

Developed and produced by: © SIGA

SIGA substrate matrix



Suitable substrates	Twinet®	Rissan® 60	Rissan® 100 & 150	Sicrall® 60 & 170	Corvum® 30/30 & 12/48	Primur® cartridge/tubular bag	Primur® roll	Wigluv® black	Wigluv® 60 & 20/40	Wigluv® 100 & 150	Fentrim® 20 & Fentrim® IS20	Fentrim® 2 & Fentrim® IS2	Fentrim® 20 50/85	Fentrim® 2 50/85
Wood	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hard wood-based panels	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Softboards										✓*		✓*		✓*
Gypsum plaster boards / gypsum fibre boards		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cement fibre boards							✓	✓	✓	✓		✓		✓
Concrete, masonry, plaster			✓*			✓	✓	✓*		✓*	✓	✓	✓	✓
Bituminous sheeting in the base area			✓				✓			✓	✓	✓	✓	✓
Rigid insulation (EPS/XPS/PU)			✓							✓	✓	✓	✓	✓
Metal	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
Hard plastics	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓

*must be reinforced with high-performance primer SIGA-Dockskin.

If necessary, strengthen all above mentioned substrates with high performance primer SIGA-Dockskin.

Note: For the correct choice of product for the intended application, the substrate matrix, the application recommendations and product information in this manual must be considered.



Suitable membranes	<i>Twinet®</i>	<i>Rissan® 60</i>	<i>Rissan® 100 & 150</i>	<i>Sicrall® 60 & 170</i>	<i>Corvum® 30/30 & 12/48</i>	<i>Primur®</i> cartridge / tubular bag	<i>Primur®</i> roll	<i>Wigluv® black</i>	<i>Wigluv® 60 & 20/40</i>	<i>Wigluv® 100 & 150</i>	<i>Fentrim® 20 & Fentrim® IS 20</i>	<i>Fentrim® 2 & Fentrim® IS 2</i>	<i>Fentrim® 20 50/85</i>	<i>Fentrim® 2 50/85</i>
Vapour control layers/ diffusion retarder membranes <ul style="list-style-type: none"> • Smooth to slightly rough PE/PA/PO/PP membranes • Kraft papers • Aluminium sheeting 	✓	✓	✓	✓	✓	✓	✓				✓		✓	
Vapour control layers/ diffusion retarder membranes for above- rafter insulation and roof renovations <ul style="list-style-type: none"> • Smooth to slightly rough PE/PA/PO/PP membranes 	✓					✓	✓		✓	✓				
Breathable membranes/roof underlay membranes and roof membranes (does not apply to bitumen and PVC membranes)							✓		✓	✓				
Facade membranes for closed facades							✓		✓	✓		✓		✓
Facade membranes for open facades							✓	✓						

Note: For the correct choice of product for the intended application, the substrate matrix, the application recommendations and product information in this manual must be considered.

