

Airtight finish from the inside

Majpell® the vapour control layer for roof, wall and ceiling structures



- ✓ for the between-rafter insulation, above-rafter insulation and renovation from the outside
3 applications with just 1 vapour control layer
- ✓ flexible and dimensionally stable
can be laid quickly, easily and without wrinkles

Application films,
tendering texts,
detail drawings at
▶ ▶ ▶ www.siga.ch

Article no. 8510-150050

Roll: width x length: 1.5 m x 50 m = 75 m²

Weight: 11 kg

PO layer, reinforced with PP fibres, thickness 0.4 mm

Weight per unit area: 130 g/m²

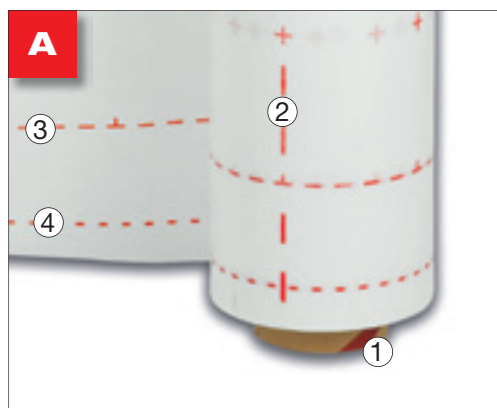
CE, EN 13984, type A

UV-stable up to 3 months

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

s_d value: 5 m, protects the structure permanently against moisture

Tips and Tricks



- **Protruding roll core** ① protects Majpell right up to the last metre
- **The cutting aid**, ② **laying aid** ③ and **bonding aid** ④ save time



Twinet® double-sided adhesive tape for the pre-installation of vapour control layers on hard substrates



- ✓ **double-sided**
quick, safe installation
no stapler needed
- ✓ **hand-tearable**
saves time
- ✓ **extremely strong adhesion**
highly resistant to ageing

Article no. 6610-2050

Carton: 10 rolls, roll: width x length: 20 mm x 50 m

Hand-tearable, non-woven carrier, 0.35 mm thick

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.

Mounting the vapour control layer on metal substructures



Use double-sided adhesive SIGA-Twinet when mounting Majpell on metal substructures

- Saves time



- Unroll Majpell, cut it to the correct size
- Stick it down with the smooth side and the writing facing you
- It does not need to be slack
- Overlap the sheets by approx. 10 cm

Mounting the vapour control layer on wooden substructures



Use double-sided adhesive SIGA-Twinet when mounting Majpell onto wooden substructures

- Avoids leaky stapling points



- Unroll Majpell and cut it to size



- Stick Majpell down with the smooth side and the writing facing you
- It does not need to be slack
- Overlap the sheets by approx. 10 cm



After adhesion:

- Attach battens crosswise or lengthwise along the substructure (to bear the weight of the insulation material)
- Mount the interior cladding (protects against mechanical influences and UV)



Sicrall® 60 single-sided high-performance adhesive tape for overlaps

Application films, tendering texts, detail drawings at
www.siga.ch



- ✓ **sturdy carrier material**
saves time for long overlaps
- ✓ **hand-tearable**
saves time
- ✓ **extremely strong adhesion**
highly resistant to ageing

Article no. 4510-6040
 Carton: 8 rolls, roll: width x length: 60 mm x 40 m
 Special reinforced paper: splash-water repellent, 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.

Tips and Tricks



Laying in case of cellulose insulation

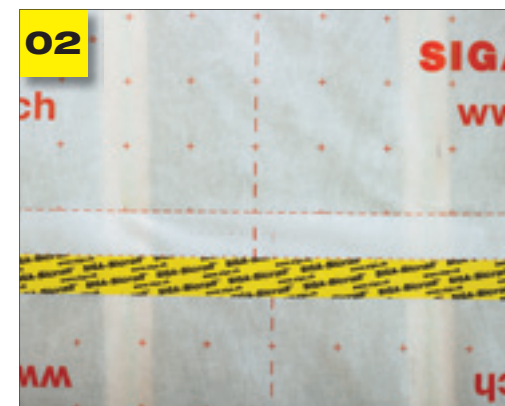
- We recommend laying in the rafter direction, bonding to the rafters and attachment of the battens before injecting the insulation.



Sealing the crease so that it is airtight:

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

Sealing the overlap airtightly



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

How it should look:

- The overlap is sealed with Sicrall and permanently airtight

Sealing the butt-joint airtightly



- Apply Sicrall along the centre of the joint

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

**Rissan® 60** single-sided high-performance tape for circular penetrations

Application films,
tendering texts,
detail drawings at
www.siga.ch



- ✓ **flexible carrier material**
clings tightly around pipes and cables
- ✓ **elastic**
remains sealed despite structural movements
- ✓ **extremely strong adhesion**
highly resistant to ageing

Article no. 2510-6025
Carton: 10 rolls, roll: width x length: 60 mm x 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.

Tips and Tricks

- For short pieces, separate Rissan from its backing strip
- Pull on Rissan and the **backing strip** simultaneously



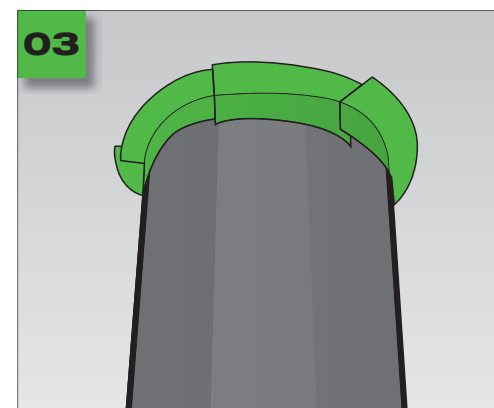
- Block Rissan roll with one hand
- Use other hand to tear off Rissan over blade with a quick jerking movement

Sealing the circular penetration airtightly

- Crease Rissan lengthwise



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



- Apply Rissan around circular parts in layers

**How it should look:**

- The circular penetration is sealed with layers of Rissan to make it airtight



SIGA-house-tight

Airtight finish from the inside

Primur® roll

high-performance adhesive
for plastered masonry

Inside and
outside



- ✓ extremely high adhesive strength immediately
no drying time, sealing in 1 work step
- ✓ for inside and outside
sealing from -10 °C, rainproof
- ✓ clean and 50% quicker
apply Primur bead first,
then mount vapour control layer /
outside membrane

Article no. 3530-1208

Carton: 8 rolls

Roll: width x thickness x length: 12 mm x 4 mm x 8 m

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

Tips and Tricks



For overlaps:

- Mount the first sheet of Majpell
- Apply a short Primur bead at the overlap

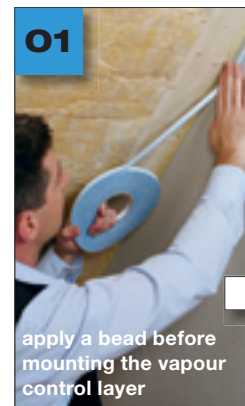


- Mount a second sheet of Majpell, press it on



- Seal the overlap with Sicrall, see page 15

Bonding the vapour control layer airtightly to plastered masonry



apply a bead before
mounting the vapour
control layer



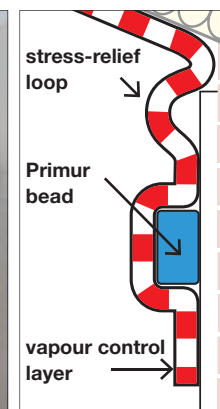
or

apply a bead after
mounting the vapour
control layer



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

- Remove the backing strips

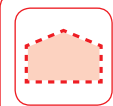


- Make a stress-relief loop in the vapour control layer
- Press the vapour control layer against the Primur bead



How it should look:

- Vapour control area is permanently sealed against plastered masonry with Primur



SIGA-house-tight

Airtight finish from the inside

Primur tubular bag / cartridge

high-performance adhesive
for plastered masonry

**For inside
only**



- ✓ durable, self-adhesive and elastic
prevents building damage
- ✓ no supporting lath required
saves time and money
- ✓ contains no solvents
for toxin-free indoor air

	Tubular bag	Cartridge
Article no.:	3520	3510
Carton:	12 bags + 5 nozzles	12 cartridges
Content:	600 ml	310 ml
Coverage:	12 – 16 m	6 – 8 m

Container made of PP, no aluminium
100 % recyclable

Primur can be painted over.
Keep out of reach of children!

Tips and Tricks



With the SIGA tubular bag applicator gun:

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



With the SIGA cartridge applicator gun:

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

SIGA

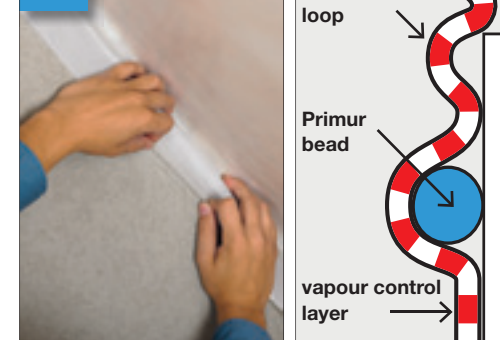
Bonding the vapour control layer airtightly to plastered masonry

01 Wet method



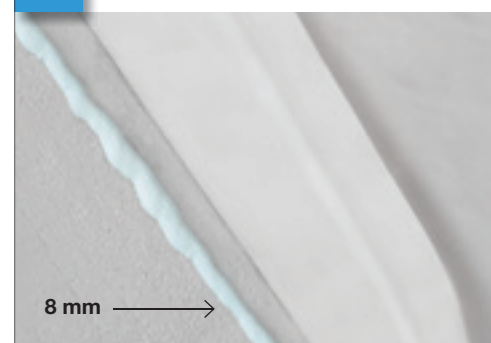
- Release secured vapour control layer immediately after applying Primur bead

02



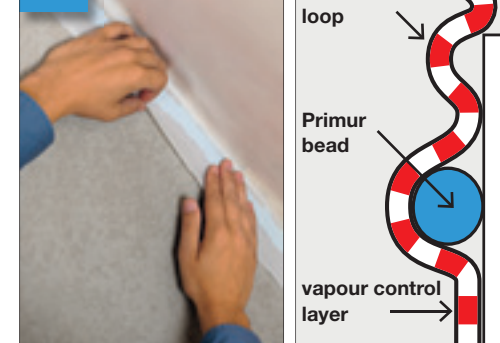
- Make a stress-relief loop in the vapour control layer
- **Gently** press vapour control layer onto Primur bead – **do not press flat!!**
- Primur bead **must remain at least 4 mm thick**

01 Dry method



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

02



- Make a stress-relief loop in the vapour-control layer
- **Firmly** press vapour control layer onto Primur bead



SIGA-house-tight

Airtight finish from the inside

Corvum® 30/30

high-performance tape for angular penetrations, purlins, inside and outside corners and skylights



Article no. 5200-303025
Carton: 8 rolls, roll: width x length: 30/30 mm x 25 m
Special reinforced paper: splash-water resistant

- ✓ precisely prefolded 30 mm/30 mm
wrinkle-free, secure in corners
- ✓ 1 backing strip protruding
1 backing strip already removed
simple and quick bonding
- ✓ extremely strong adhesion
highly resistant to ageing

Tips and Tricks

A



Using the backing strip for simple and quick application:

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

Sealing the angular penetration airtightly

01



- 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

02



- Cut into the excess bisecting the angle
- **Start cut just short of the corner of the joist!**

03



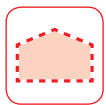
- Repeat on each side of the joist

04



How it should look:

- Joist permanently airtight sealed with Corvum 30/30

**Bonding the vapour control layer airtightly to the purlin**

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



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



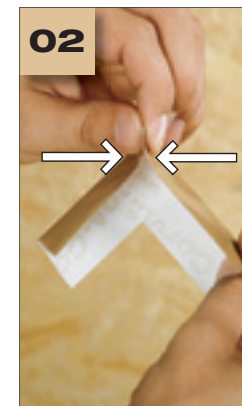
- Bond vapour control layer to rafters, see Twinet page 13 or staple it on

**How it should look:**

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

Sealing the inside corner airtightly

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



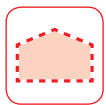
- Prefold to fit tightly into corner
- Fold back backing strip



- 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, see tip A page 22
- Remove backing strip and press on



Sealing the outside corner airtightly



- 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



- Repeat on each side

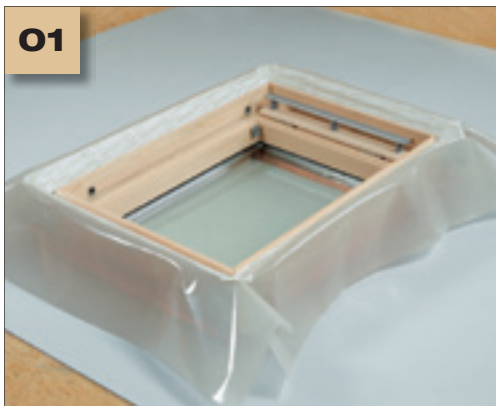


- Fit a short piece of Corvum into corner
- Remove backing strip
- Press on
- Repeat on each side



How it should look:

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

**Bonding the vapour control layer airtightly to the skylight****01**

Prepare the skirt before installing the skylight. Advantages:

- No overhead work
- High safety
- Saves time

02

- Cut the vapour control layer and Corvum to size

05

- Successively remove backing strip and press on Corvum in the groove
- Repeat on all sides

06

- Cut and staple vapour control layer
- Cut off any excess

03

- Affix Corvum to centre of vapour control layer sheet (**with folded edge flush with sheet edge**)
- Press on
- Unfold Corvum

04

- With the backing strip folded back, insert Corvum accurately into the groove and press on
- **Bond Corvum right into the corners**

07

- Cut off a short piece of Corvum
- Cut out a 90° angle piece

08

- With the backing strip folded back, bond Corvum accurately into the corner

**Bonding the vapour control layer airtightly to the skylight****09**

- Remove backing strip
- Press on firmly
- Repeat in all corners

10

- Bond vapour control layer sheeting into corner with additional piece of Corvum

11

- Cut into centre of excess
- Fold over and press on
- Airtightly seal the overlap with Sicrall

12**How it should look:**

- The skylight is permanently airtightly sealed with Corvum 30/30 and Sicrall

Corvum® 12/48high-performance adhesive tape
for window and door frames

- ✓ precisely prefolded, 12 mm/48 mm
invisible behind cladding
- ✓ 1 backing strip protruding
1 backing strip already removed
simple and quick bonding
- ✓ extremely strong adhesion
highly resistant to ageing

Article no. 5200-124825

Carton: 8 rolls, roll: width x length: 12/48 mm x 25 m

Special reinforced paper: splash-water resistant

Tips and Tricks**A****Using the backing strip for simple and quick application:**

- **First** fold back the 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

**Sealing the recessed window and door frame airtightly****01**

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

02

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

**03**

- Remove backing strip

04

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

05

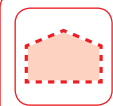
- **Then** bond the inside corners:
- Affix 12 mm side of Corvum to window frame
- Measure and cut to the correct length

06

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

07**How it should look:**

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



Sealing the protruding window and door frame airtightly

01



- Measure off required length
- Add approx. 3 cm at each end

02



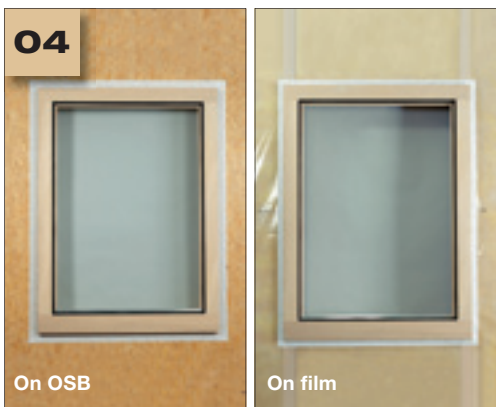
- Cut into the corner bisecting the angle
- Fold over
- Press on

03



- Repeat on each side

04



How it should look:

- Protruding window frames are airtightly bonded with Corvum 12/48

Sicrall® 150

single-sided high-performance adhesive tape for injection holes and large leaks



- ✓ extremely strong adhesion
highly resistant to ageing
- ✓ in dispenser box
roll is protected against dust at all times
- ✓ with built-in blade and cutting gauge
quick and simple to apply

Article no. 4510-15040

Carton: 1 roll, roll: width x length: 150 mm x 40 m
Special reinforced paper: splash-water repellent, hand-tearable

For permanently windtight sealing of injection holes and leaks in the exterior area, we recommend you use Wigluv 150.

Sealing injection holes and large leaks airtightly

01



- Pull out Sicrall 150
- Measure to the required length
- Tear over the blade

02



For wood-based panels (e.g. OSB)

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



SIGA-house-tight

Airtight finish from the inside

Rissan® 100 & 150

High-performance adhesive tape for bonding wall elements to the floor and ceiling



- ✓ extremely good adhesion on difficult substrates
with high-performance primer SIGA-Dockskin®
- ✓ can be applied from -10 °C
exceptional adhesive strength at low temperatures
- ✓ large diffusion gradient > 1 : 10
no building damage

	Rissan 100	Rissan 150
Article no.:	2510-10025	2510-15025
Carton:	6 rolls	4 rolls
Roll:	100 mm x 25 m	150 mm x 25 m

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

Dockskin®

The high performance primer for sealing sandy, fibrous substrates

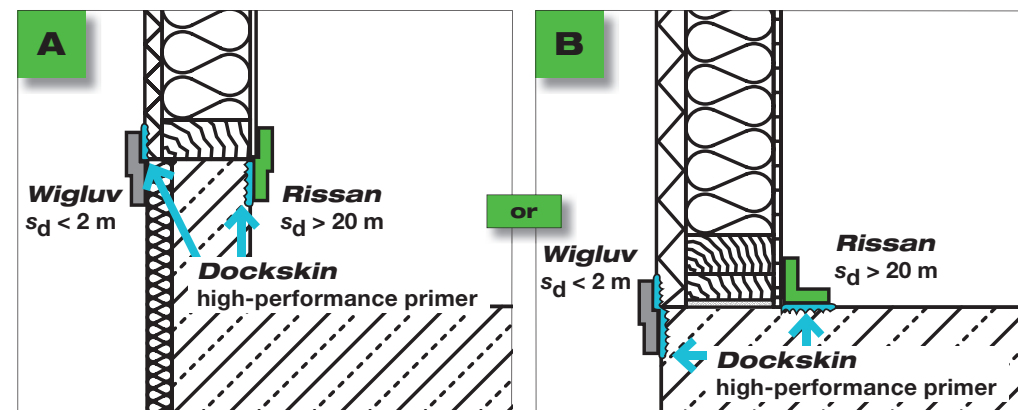


- ✓ extremely good adhesion to woodfibre boards and masonry
with SIGA-Rissan®
- ✓ quick drying
strong penetration
- ✓ usable on cold substrates from -10°C
contains no solvents

Article no. 5910
Carton: 6 cans, 1 can: 1 kg
Coverage: • with SIGA-Rissan 100: 25 – 30 m
• with SIGA-Rissan 150: 15 – 20 m

Solvent-free, water-based acrylate copolymer emulsion.
Shelf life: 18 months from the date of manufacture if unopened.
Clean the brush immediately with water.
Keep out of reach of children!

Creating the base-joint airtightly



Vertical cut in the base

Vertical cut in the base board



- Shake **Dockskin** high-performance primer
- Apply a covering coat
- Depending on the temperature and substrate, wait 5 – 20 min. until Dockskin is **transparent** and **sticky**.



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

Warranty

SIGA grants 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:

- unusual influences, in particular of a chemical or mechanical nature
- if permanent mechanical strain (e.g. due to tensile and compression forces) has an impact on the seal
- multilayered sheeting or panelling materials without sufficient cohesive strength
- if windtight sealing is performed on a roof gradient of $< 10^\circ$
- in the case of open cladding with Majcoat
- in the case of airtight sealing in sauna and swimming pool applications
- in roof renovations if one or more of the conditions specified in point 01, page 38 (Mounting the vapour control layer from the outside during roof renovation) have not been fulfilled
- when using Dockskin, if the sealing is not applied with Wigluv, Rissan, Sicrall, Corvum, Primur, Twinet
- when the prerequisites for the secure laying of sheeting are not fulfilled:
The substructure must be free of any protruding objects which could cause injury, such as screws etc.
- when the prerequisites for reliable sealing are not fulfilled:
The substrate must be dry, sustainable and free of any dirt and grease. It must not be adhesive-repellent. Before sealing, clean the substrate and sheeting and perform an 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 sheeting / tape must be relieved by cutting and resealed.

This does not effect your statutory rights.

SIGA Early Warning System

Adjustments and new developments to commercially available surfaces, plates and membranes are systematically recorded thanks to the unique SIGA Early Warning System and regularly flow into 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.ch

Technical details

Adhesive

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

Processing temperature

From -10°C

Primur cartridge and tubular bag: from $+5^\circ\text{C}$

Temperature resistance

-40°C to $+100^\circ\text{C}$

Age resistance

Durable adhesive strength; made without rubber, resins or solvents to prevent embrittlement.

Storage

Store in a **cool, dry place** in its original box.

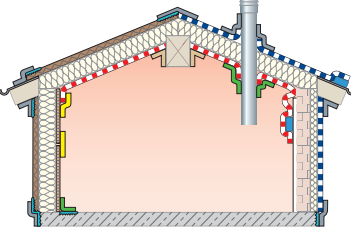
Store Primur cartridge, Primur tubular bag, and Dockskin in a cool, dry and

frost-protected place in their original boxes.

Store Majpell and Majcoat in a cool, dry and **UV-protected** place.

Developed and manufactured by: © SIGA

For different substrates the right SIGA high-performance adhesive

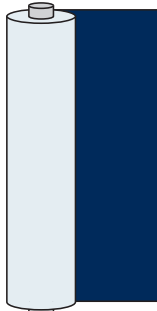


	Twinet®	Rissan® 60	Rissan® 100	Rissan® 150	Sicrall® 60	Sicrall® 150	Corvum® 30/30	Corvum® 12/48	Primur® cartridge	Primur® tubular bag	Primur® roll	Wigluv® black	Wigluv® 60	Wigluv® 100	Wigluv® 150
Wood	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Hard wood-based panel materials	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Woodfibre boards													✓*	✓*	
Gypsum fibreboards	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
Plasterboards	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
Cement fibreboards	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Concrete, masonry, plaster	✓*	✓*	✓*	✓*					✓	✓	✓	✓*	✓*	✓*	✓*
Bituminous sheeting in the base area			✓	✓							✓		✓	✓	✓
Perimeter insulation			✓	✓									✓	✓	✓
Metals	✓	✓	✓	✓			✓	✓			✓	✓	✓	✓	✓
Hard plastics	✓	✓	✓	✓			✓	✓			✓	✓	✓	✓	✓
Electric cables		✓	✓	✓								✓	✓	✓	✓

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

If needed all above mentioned substrates can be reinforced with high performance primer SIGA-Dockskin.

For different types of membranes the right SIGA high-performance adhesive



	Twinet®	Rissan® 60	Rissan® 100	Rissan® 150	Sicrall® 60	Sicrall® 150	Corvum® 30/30	Corvum® 12/48	Primur® cartridge	Primur® tubular bag	Primur® roll	Wigluv® black	Wigluv® 60	Wigluv® 100	Wigluv® 150
Vapour control layers / diffusion retarder sheeting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
• Smooth to rough PE/PA/PO/PP sheeting															
• Kraft papers															
• Aluminium membranes															
Vapour control layers / diffusion retarder sheeting for above-rafter insulation and renovation from the outside	✓									✓	✓	✓	✓	✓	✓
• Smooth to rough PE/PA/PO/PP sheeting															
Breathable membrane (apart from bitumen and PVC membranes except if given individual approval)											✓		✓	✓	✓
Facade membranes	✓										✓	✓	✓	✓	✓