

# Installation instructions

## CONTEGA<sup>®</sup> SOLIDO IQ-D

### Preparation: Sub-sill on timber projects



#### 1. Prepare the window opening

Preparatory step for window installation on timber construction projects

Tape and seal the structure surface, window reveals and all joints so that they are airtight and watertight against driving rain.



#### 2. Side details

In the case of reveal plates or a rear-ventilated structure, allow EXTONSEAL ENCORS to run approx. 10 to 15 cm up each reveal side. If the reveal surfaces are to be plastered, run the sill tape up approx. 6 cm or else to the upper edge of the window sill profile.



#### 3. Apply tape to the sill surface

Apply EXTONSEAL ENCORS to the sill surface, extending it at least as far as the inner edge of the window profile or – if necessary – across the entire depth of the structure. Allow an excess of at least 2 cm on the outside, or else as far as a suitable drip profile.

A sloped wall surface under the window will drain off water.



#### 4. Extend the sub-sill to the outside

In the case of a rear-ventilated facade, stretch the tape in the corners (without damaging it) and stick it to a suitable subsurface, e.g. SOLITEX FRONTA WA. Rub EXTONSEAL ENCORS using the PRESSFIX tool to secure the adhesive bond.

## Preparation: Sub-sill on masonry and concrete projects



### 1. Apply a smooth plaster finish to the window opening

Preparatory step for window installation on masonry and concrete construction projects

Apply a smooth plaster finish to the side and bottom areas where seals are to be installed.

If a plaster finish or sealing filler is applied to the wall area under the window, the transition to the side reveals can be sealed with EXTONSEAL ENCORS to cover any possible cracks (capillary gaps). A sloped wall surface under the window will drain off water.



### 2. Side details

If the reveal surfaces are to be plastered, allow EXTONSEAL ENCORS to run approx. 6 cm up each reveal side or else to the upper edge of the window sill profile.

In the case of reveal plates or a rear-ventilated structure, allow approx. 10 to 15 cm here.

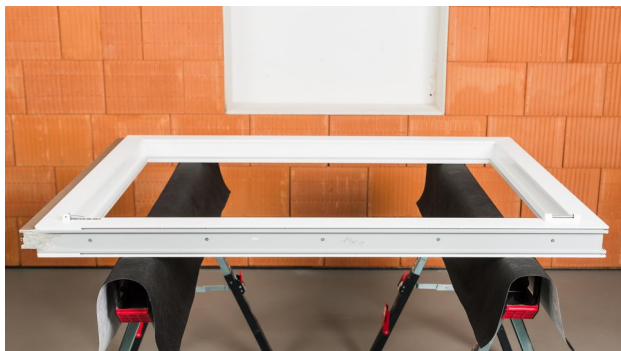


### 3. Apply tape to the sill surface

Apply EXTONSEAL ENCORS to the sill surface, extending it at least as far as the inner edge of the window profile or – if necessary – across the entire depth of the structure.

Stick the excess tape on the outside to a suitable drip profile.

## Installation steps: Sealing the window joint



### 1. Window to be mounted into a timber, masonry or timber structure

CONTEGA SOLIDO IQ-D is to be pre-installed before the window is mounted.

The frame is laid out flat with the interior side of the frame facing up. The open ends of the window profile have been filled and the filling/sealing profiles have been attached.



### 2. Start applying tape at the top of the frame

Remove the single release film strip on the printed side, position the tape on the side of the frame and then gradually stick in place. The printed side of the tape will face the window and extends upwards.

Rub using the PRESSFIX application tool to secure the adhesive bond. If tape application is started at the side of the window frame, ensure that the tape overlap is executed in a waterproof manner.



### 3. Create corner folds

Create corner folds as shown here to make it easier to create a reliable seal to the window reveal at the corners later on.

The size of the corner folds should correspond to around 1.5 times the joint width.



### 4. Apply tape all around frame and rub to secure

Stick the tape all around the side of the frame. At the end, cut off any excess length and stick the overlap. Repeat steps 2 to 4 for the opposite (exterior) side of the window, as required.

Ensure that there is uninterrupted airtightness/windtightness when applying the tape.

Rub using the PRESSFIX application tool to secure the adhesive bond.



### 5. Install the window and insulate the joint

Fold in the CONTEGA SOLIDO IQ-D tape so that it is not in the way, and then mount the window using a suitable fastening system.

Fill in the joint with a suitable insulation material, leaving no cavities.



### 6. Stick the tape to the reveal all around the frame and rub to secure

Remove the release film and gradually stick the tape to the reveal all around the window frame, allowing slack to accommodate relative motion between components. Ensure that there is uninterrupted airtightness/windtightness when applying the tape. Rub using the PRESSFIX application tool to secure the adhesive bond.



### 7. Sealing the window joint on the opposite side

CONTEGA SOLIDO IQ-D should be applied in an analogous manner to seal the window joint on the opposite (exterior or interior) side. Repeat the taping steps to achieve a seal that is airtight or windtight/watertight against driving rain.



### Tip

For the joint at bottom of the window, application of CONTEGA SOLIDO IQ-D can be continued onto the front face of the sill connection profile. This makes it easier to mount the window and apply the tape to the sub-sill later. In this case, a length of tape must be applied over the corner fold. This can also be done with all other corner folds. Tape should only be applied onto surfaces that will not be visible in the long term.

## Substrates

Clean subsurfaces before sticking. Uneven mineral subsurfaces may need to be levelled with a smooth plaster finish. Adhesion to frozen surfaces is not possible. There must be no water-repellent substances (e.g. grease or silicone) on surfaces where adhesives are to be applied.

Observe the recommendations for plastering over adhesive tapes that are specified by the producer of the plaster. In most cases, it is recommended that the width of adhesive tape that is to be plastered over should not exceed 60 mm (2 3/8") or 50% of the reveal area. Subsurfaces must be sufficiently dry and stable; if necessary, subsurfaces should be stabilised or renewed.

Permanent adhesion is achieved on all pro clima internal and external membranes, other vapour control and airtight membranes (e.g. those made of PE, PA, PP and aluminium) as well as other roof and breather (WRB) membranes (e.g. those made of PP and PET). Tapes can be applied to planed or painted wood, hard plastics, hard wood-based panels (chipboard, OSB and plywood panels). For sealing joints on masonry or concrete or on rough substrates, use ORCON F.

The best results in terms of reliability are achieved on high-quality subsurfaces. Particular care is necessary when working with older or multi-layer subsurfaces. It is your responsibility to check the suitability of the subsurface; adhesion tests may be necessary in certain cases. Pre-treatment of the subsurface with TESCON PRIMER will improve the adhesive bond.

## General conditions

Taped joints should not be subjected to tensile strain. Rub the adhesive tapes firmly to secure the adhesive bonds. Ensure that there is sufficient resistance pressure. Windproof, airtight or rainproof sealing can only be achieved if this sealing tape is installed without folds, creases or joints.

Ventilate continuously and systematically to prevent the build-up of excessive humidity; use a dryer if necessary. When plastering, please observe the recommendations of the plaster manufacturer for non-absorbent subsurfaces. A bonding course may be necessary.

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The applications and conditions described here are based on current research findings and practical experience. We reserve the right to change the recommended application designs and installation methods and to develop and thus change the properties and quality of individual products. We would be glad to inform you about the current state of engineering knowledge at the time that your installation is carried out.

The planning documentation that is available from pro clima provides further information about installation methods and design details. If you have questions, please contact pro clima Technical Support in Germany at +49 6202 278245.

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**MOLL****bauökologische Produkte GmbH**

Rheinthalstraße 35 - 43

68723 Schwetzingen

Germany

Phone: +49 6202 2782 0

eMail: [info@proclima.com](mailto:info@proclima.com)