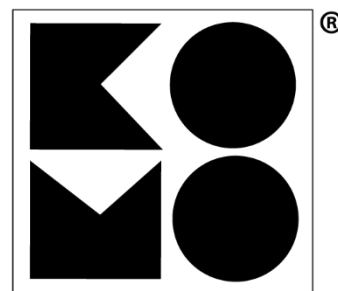


GUIDELINES:

**BONDING OF BRICK SLIPS FOR VENTILATED FAÇADE
CONSTRUCTIONS WITH KOMO - CERTIFICAAT**



FERMACELL

POWERPANEL H2O

More info:



Version:

10 februari 2026

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Required Materials and Consumption

Required materials:

- **TWINBOND STONE:** very strong, permanently elastic adhesive based on MS polymers with high initial adhesion
- **TWINBOND CLEAN:** universal cleaner and degreaser for chemical contamination
- **TWINBOND FOAM:** universal cleaner and degreaser for natural contamination
- **TWINBOND 10-WAY NOZZLE:** nozzle for full-surface bonding

Consumption

TWINBOND STONE 290 ML KOKER	7.5 m V-bead of 9 by 9 mm
TWINBOND STONE 600 ML WORST	15 m V-bead of 9 by 9 mm
TWINBOND CLEAN 500 ML AEROSOL	Depending on contamination: 20 m ²
TWINBOND CLEAN 5L BLIK	Depending on contamination: 200 m ²
TWINBOND FOAM 500 ML AEROSOL	Depending on contamination

Environmental factors and conditions

Apply the **TwinBond Stone** adhesive system between +5°C and +40°C.

Prevent condensation from forming on the surfaces to be bonded (condensation is not the same as a damp substrate).

- R.H. < 90% and substrate temperature > +3°C above the dew point. (see table 1)
- In case of deviating conditions, it is best to ask us for advice.

In addition to the **TwinBond Stone** application guidelines and the panel manufacturer's instructions, the installer must also comply with the requirements formulated in BRL 4104.

The TwinBond system is applied as such (TwinBond Stone, TwinBond Clean, TwinBond Foam and TwinBond 10-way nozzle).

Fig. table 1:

TEMP °C	RELATIEVE VOCHTIGHEID %										
	50	55	60	65	70	75	80	85	90	95	100
35	23	25	26	27	29	30	31	32	33	34	35
30	19	20	21	23	24	25	26	27	28	29	30
26	15	16	17	19	20	21	22	23	24	25	26
25	14	15	16	18	19	20	21	22	23	24	25
24	13	14	15	17	18	19	20	21	22	23	24
22	11	12	13	15	16	17	18	19	20	21	22
20	9	11	12	13	14	15	16	17	18	19	20
18	7	9	10	11	12	13	14	15	16	17	18
16	6	7	8	9	10	11	12	13	14	15	16
15	5	6	7	8	9	10	10	12	13	14	15
14	4	5	6	7	8	9	10	11	12	13	14
12	2	3	4	6	7	8	9	10	10	11	12
10	0	1	3	4	5	6	7	7	8	9	10
8	-2	0	1	2	3	4	5	6	6	7	8
6	-3	-2	-1	0	1	2	3	4	4	5	6
4	-5	-3	-2	-2	-1	0	1	1	1	3	4
2	-7	-5	-4	-3	-2	-1	0	0	0	1	2

	Geen dauwpunt, veilig voor applicatie
	Mogelijk dauw op materialen, pas op bij applicatie
	Grote kans op dauw, applicatie afgeraden

Novatech is not responsible for calculating or providing advice on building-physics properties (dew point, thermal bridges, etc.).

1

Preparing the backing board

Respect the installation instructions from **Fermacell** for installing and storing the **Powerpanel H2O** panels.

First clean the backing board with **TwinBond Clean** and/or **TwinBond Foam**. Under normal conditions (dust only — light natural contamination), it is sufficient to brush the backing boards clean or clean them with compressed air. For full-surface bonding using the **TwinBond 10-way nozzle**, NO primer needs to be applied to the backing board.

Before applying **TwinBond Stone**, the boards must always be connected to each other with **TwinBond Stone** to prevent moisture ingress. The distance between the boards must be 3 mm. Fill this opening with an adhesive bead, finish it immediately with **TwinBond Clean** and remove excess adhesive residues within 5 minutes.



1: Image for illustration purposes

2

Regarding the brick slips

Brick slips can be bonded both indoors and outdoors to any clean, dry, flat and stable substrate. Clean the rear side of the brick slips with a brush and remove loose particles, if necessary with compressed air. If required, use TwinBond Clean for non-organic contamination or TwinBond Foam for organic contamination: apply, allow to act, remove and, when using TwinBond Clean, allow it to evaporate briefly (minimum 5 minutes). Under normal conditions (dust only – light natural contamination), it is sufficient to brush the slips clean or clean them with compressed air.

PLEASE NOTE: If sawn slips are used, ensure that the substrate is free of saw slurry.

3

Applying TwinBond Stone with 10-way nozzle

The **TwinBond 10-way nozzle** is screwed onto the thread of the **TwinBond Stone** cartridge or sausage in the same way as the classic V-nozzle.

Apply the adhesive with the **Seal&Bond Gun** or the pneumatic **TwinBond Gun**. The adhesive must be applied to the backing board (**Fermacell Powerpanel H2O**).

The same **10-way nozzle** can be used for the entire job. After a certain period of use, material may build up on the outer edges of the **10-way nozzle**, but it is sufficient to clean it briefly with a **nova wipe**. If the **10-way nozzle** is used again within 12 hours after the previous use, it is sufficient to remove the cured pieces of adhesive. If more than 12 hours have passed, the **10-way nozzle** cannot be reused and must be replaced.



The position of the **TwinBond 10-way nozzle** on the backing board (**Fermacell Powerpanel H2O**) is very important. The nozzle must rest on the board with the flattened side. By varying the angle and movement speed, the adhesive thickness can be adjusted. An optimal technique should be found so that a fully covering adhesive layer is obtained (minimum coverage of 80% is required). The ideal adhesive layer applied with the **TwinBond 10-way nozzle** is full-surface and, thanks to the unique design, has 10 small beads protruding from the full-surface adhesive layer.

4

Applying brick slips

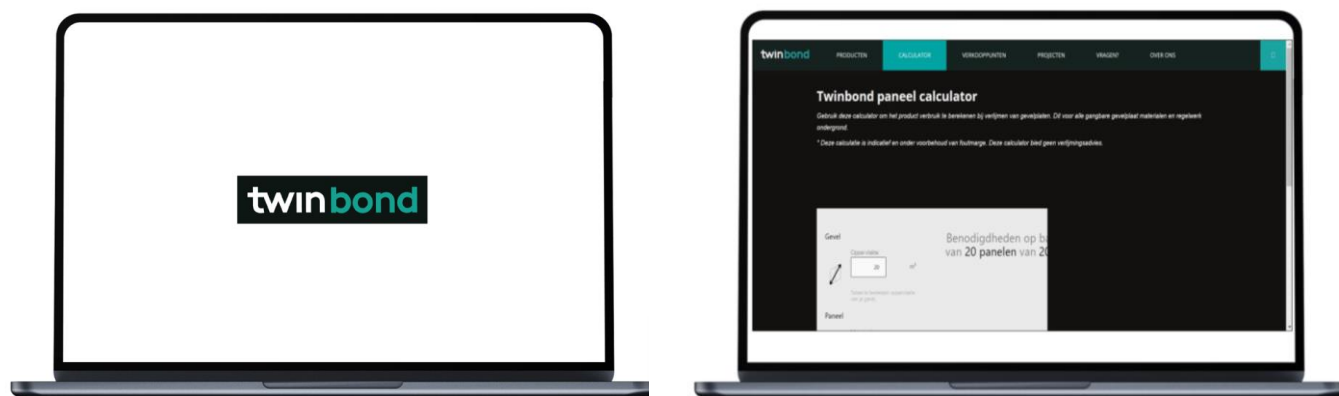
- Attach the brick slip before skin formation occurs (+/- 8 minutes) to ensure an optimal adhesive surface.
- Press the slip gently against the backing board, making a “buttering” movement, and correct the positioning if necessary. Once the slip is correctly positioned, press firmly until an adhesive thickness of approximately 2 mm is obtained.

Point of attention:

To guarantee high-quality bonding of brick slips, there is a restriction on the dimensions of the brick slips. Some fired brick slips have a curved surface when viewed from the side. The difference between the centre and the edge can sometimes be 5 mm, depending on the individual brick. Because the adhesive beads from the 10-way nozzle are only 2–3 mm high, a maximum tolerance of 2 mm has been established. If brick slips with a greater tolerance are nevertheless used, the coverage rate cannot be guaranteed.



Website



consult www.twinbond.com for:

- Interactive quantity calculator
- Instruction videos
- Technical Data Sheets (TDS)
- Safety Data sheets (SDS)
- Technical Sheets (TF)
- ...

We are here for you

Within TwinBond, you can rely on the unlimited installation and removal insurance:

In the event that damage is caused by the use of our product, we reimburse all costs required to dismantle and rebuild the façade. We only ask you to work with the TwinBond system AND follow the application guidelines.

Installation and removal insurance means:

- Open & transparent
- Coverage of all reinstallation costs in case of omissions
- No distinction based on project size
- No unnecessary administration
- No application forms or other documents



Details available

Work is carried out strictly in accordance with the application guidelines, unless it must reasonably be assumed that these are not correct in the specific case; if necessary, Novatech will be contacted for assistance (always request written confirmation).

This version replaces the previous version and contains the most recent updates. Productions carried out in accordance with earlier guidelines remain guaranteed and comply with the quality standards applicable at that time. The changes in this version include updated guidelines, refined technical specifications and adjustments based on recent regulations. Always make sure to consult this latest version when carrying out façade panel bonding in order to comply with the applicable standards and quality requirements.

The correct execution and structural suitability of the underlying build-up, including the supporting structure, insulation layer, fixing methods and other construction-related aspects, are deemed to comply with the applicable building codes and regulations in the areas of building physics, stability and structural behaviour. Responsibility for the conformity and correct application of the underlying build-up lies with the responsible construction partners and must be in accordance with the applicable regulations and quality requirements.

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