Parabond Construction

Features and Benefits

- Polymer based adhesive sealant
- Jointing and gluing
- Bonds also with slightly moist supports
- Extremely strong and permanently elastic
- Does not cause any corrosion in metal joints
- Suitable for use with natural stone and for rooms with high humidity
- Paintable with most water and solvent based paints
- Solvent, isocyanate and phthalate free
- Excellent U.V. weather and to aging resistance

Application

- Bonds without primer on almost all materials used in the construction industry
- For interior and exterior use
- Universal adhesive in the sealing of horizontal and vertical joints
- Sealing of cracks and joints
- Sealing between frame and walls, connecting joints of window and door frames and in façades and shop fronts
- Sound proofing between concrete and drain pipes
- Attaching and sealing of skirting boards etc
- Can be used on alkali surfaces such as concrete and brick

Cleaning

- Any adhesive that may protrude along the edges can be removed using a stopping knife
- Adhesive residue that has not yet dried, can be removed using Parasilico Cleaner
- Dried adhesive must be removed mechanically

Painting

- Paintable with most water and solvent based paints
- After 48 hours, the surface must be cleaned first before it can be painted
- Pre-testing is necessary
- Alkyd paints require an extended drying time

Packing

- 25 cartridges of 290ml/box – 48 boxes/pallet

Preparatation

- The support must be fixed and rigid enough
- The support may be slightly damp
- The materials to be joined must be clean and free from dust and grease
- If necessary, degrease using Parasilico Cleaner, MEK, alcohol, or ethanol

Primers

For strongly absorbent supports it is recommended to use DL 2001 Primer. It is advisable to do bonding tests. It is the user's responsibility to check whether the product is suitable for his application. Our technical department could be consulted.
With double glazing, it is advisable to apply black DL 2001 primer. This prevents the contact surface between the glass and sealant from being exposed to UV-radiation.

Limitations

- Joints that are exposed to constant submersion under water and rooms with permanent high relative humidity
- Joints with a width or depth <5 mm
- Gluing PE, PP, PA and Teflon®
- On bituminous surfaces: use our Paraphalt for this purpose
- On polycarbonate and polyacrylate: use our Parasilico PL for this purpose
- Proper ventilation during processing and during the hardening is important

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Method of use

As adhesive

- Apply Parabond Construction with the supplied nozzle in strips or dots to the base or on the element to be bonded
- The strips must be applied in vertical rows. Apply the strips parallel to each other, to allow the humidity to reach the adhesive between the strips
- Bring together the parts to be joined as quickly as possible, at least within 10 minutes (this depends on the temperature and relative humidity level). The parts can at this stage still be adjusted
- Finally, push down one over the other well or tap with a rubber hammer
- It is advised to have a gap of 3.2 mm between the parts to be bonded spacer blocks or pieces of foam tape may be used, to allow the adhesive to smooth out any distortions (especially important in exterior use or under humid conditions)
- If the adhesive layer does not have to take up any, or only has to take up a slight mutual distortion between the joining parts, a thinner adhesive layer (at least 1.5 mm) will suffice. For example in interior applications

As Sealant

- Provide shallow joints on the floor with a self-adhesive tape or foam tape to prevent triple-sided bonding
- The adhesive depth of the movable joint should amount to approx 2/3 of the joint width
- Joints that are too deep should be filled with suitable filler foam (PE or PU-filler foam)
- With deep floor joints, it is advisable to use a strong PU-filler foam as back-up material
- With floor joints, that are subjected to high mechanical load, the sealant should be applied deep
- It is better to apply the sealant at an angle sloping from the floor surface to the adhesive surface (rim sides)
- The sealant should only bond at the sides of the joint

Technical Characteristics

Basic ingredient	MS hybrid polymer
Curing system	By means of humidity
Number of components	1
Skin formation time (23°C and 50% R.V.)	40 min
Vulcanisation rate (23°C and 50% R.V.)	2.5 – 3mm/24 h
Density: ISO 1183	1.8 g/ml
Processing temperature	+5°C – +40°C
Shelf life, in the original packing in dry conditions between +5°C – +25°C	12 months
Shore A hardness: ISO 868 40	40
Joint movement capacity: ISO 11600	25%
Modulus at 100% elongation: ISO 8339	0.80 N/mm²
Elongation at break: ISO 8339	230%
Modulus at break : ISO 8339	1.10 N/mm²
Solvent & isocyanate content	0%
Dry matter content	ca. 100%
Temperature resistance	-40°C – +90°C

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Joint Dimensions

Joint Width	Joint Depth	Allowed difference
3–4 mm	6mm	±1mm
8mm	8mm	±1mm
10mm	6 – 8mm	±2mm
15mm	10mm	±2mm
20mm	10 – 12mm	±2mm
25mm	15mm	±3mm
35mm	20mm	±3mm
50mm	30mm	±3mm

Technical Approval

SNJF (Société National du Joint Français): FACADE n° 3749

Mastic type élastomère classe 25E

ATG (Belgian technical approvement) ATG 12/2643

Leeds certificate for low VOC. (tested by Eurofins)

FDA approved (Ianesco report Nr 15/19449)

CE EC1Plus

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