Technical data sheet

PARABOND CONSTRUCTION

CHARACTERISTICS

- Joint and adhesive sealant
- Permanent elasticity
- Does not cause staining on natural stone
- Excellent adhesion to almost all building materials
- High resistance to UV
- Meets the requirements of FDA code 21 §177.2600 (e) for food contact.
- Can be applied to dry and slightly damp surfaces
- Does not cause any corrosion in metal joints
- Paintable with most water and solvent based paints
- Bonding and sealing
- High resistance to ageing and weather conditions
- Solvent, isocyanate and phthalate free

APPLICATIONS

- Sealing of connection and expansion joints in facades, interior walls, between frame and wall, etc.
- Shipbuilding industries, container construction, coach work and caravan construction.
- Suitable for horizontal and vertical connection joints as well as expansion joints of up to 50 mm wide.
- Bonding roof tiles, skirting boards, stair steps, thresholds...
- Suitable for horizontal and vertical connection joints as well as expansion joints.
- All jointing where flexibility is important.
- Sound proofing between concrete and drain pipes.
- Indoor and outdoor use.
- Expansion joints in walls, glazing, partition walls

TECHNICAL CHARACTERISTICS	
Type of product	MS polymer
Density (g/ml)	1.48
Number of components	1
Application temperature	+5°C - +40°C
Temperature resistance	-40°C - +90°C
Curing system	Cross-linking by air humidity
Curing speed at 23 degrees C and 50% R.H. (mm, after 24h)	2.5 - 3
Vapour diffusion coefficient: ISO 15106 (µ)	6946 (sd = 4.9m)
Skin forming time at 23°C and 50% R.H. (min.)	40
Shore A hardness: ISO 868	40
Maximum permissible deformation: ISO 11600	25%
Modulus at 100% elongation: ISO 8339 (N/mm²)	0.8
Modulus at break: ISO 8339 (N/mm²)	1.1
% Elongation at break: ISO 8339	230
Dry matter content	±100%
Shelf life of unopened product	12 months
Storage conditions	Store in a dry, cool place at +5°C to +25°C. Keep out of direct sunlight.

DL CHEMICALS Since 1936 Manufacturer of Sealants

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PACKING AND COLOURS
20 x foil bag 600ML/box - 900 pieces/pallet RAL7016 Anthracite grey, Basalt, RAL7023 Concrete grey, Cement grey, RAL9001 Cream white, Dark beige, Dark bronze, RAL8016 Mahogany brown, RAL7005 Mouse grey, RAL7004 Signal grey, RAL1019 Grey beige, RAL7032 Pebble grey, RAL7039 Quartz grey, Medium grey, Panel grey, Terracotta, White, Black, RAL7030 Stone grey, Natural stone
25 x cartridge 290ML/box - 1200 pieces/pallet RAL7016 Anthracite grey, Basalt, RAL7023 Concrete grey, RAL9001 Cream white, Dark beige, RAL8016 Mahogany brown, RAL7005 Mouse grey, RAL7004 Signal grey, RAL1019 Grey beige, RAL8007 Fawn brown, RAL1013 Pearl white, Terracotta, White, Black, Natural stone

METHOD OF USE

Preparation

- The surface must be solid, strong enough and clean, dust and fat-free.
- If needed degrease the materials to be glued with Parasilico Cleaner, MEK, fire alcohol, ethanol.
- Use in well-ventilated rooms. Good ventilation is important during application and curing of the product.
- The user needs to make sure that the product is suitable for the application. Consult our technical service if necessary.
- Remove any water, water film or raindrops. The best adhesion is obtained on a dry surface.

Primers

- On highly absorbent surfaces we recommend to use the Hybrid & PU Primer (transparent or black, drying time about 15 min.).

Application

- Use in well-ventilated rooms. Good ventilation is important during application and vulcanisation of the product.
- 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.

Joint dimensions

- Suitable joint widths from 5 mm to 50 mm
- Joints with a width up to 10 mm: joint depth should equal joint width. Joints wider than 10 mm: joint depth = (joint width/3) + 6 mm
- The required width of an expansion joint depends on the temperature development, material properties and the dimensions of the building elements.

Tooling

- If desired, smooth surface before skin formation with the Perfect Joint Tooling Agent and/or the Perfect Joint Tool.

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, Multi-Purpose Super Cleaner or Cleaning Wipes.
- After curing remove mechanically.

Paintable

- Paintable after curing with most water and solvent based paints. Curing time depends on the joint dimensions.
- After 48 hours, the surface must be cleaned first before it can be painted.
- Given the wide variety of paint types available, it is recommended that you test the compatibility of the sealant/adhesive with the paint in advance.
- Alkyd paints might require an extended drying time.

SAFETY

Consult the safety information on the packaging and the safety data sheet for more information.

POINTS OF ATTENTION

- Not suitable for permanent submersion.
- Not suitable for use on butiminous surfaces.
- Not suitable for use on PE, PP, PA, PTFE (Teflon).
- Not suitable for use on polyacrylate and polycarbonate
- Colours can yellow slightly in the absence of UV light or through contact with smoke or detergents.
- Not suitable for sanitary applications (not mould resistant)
- Not suitable for glazing joints.
- Not suitable for contact with edge sealing of insulating glazing. Avoid direct contact.
- Not suitable for contact with PVB films of laminated glass. Avoid direct contact.

TECHNICAL APPROVALS

- UKCA & CE according to EN 15651-1: F EXT-INT 25 HM
- UKCA & CE according to EN 15651-4: PW 25 HM
- GEV Emicode EC1plus label: very low VOC emissions
- French VOC emission class A+
- FDA code 21 §177.2600 (e) (Ianesco)
- ATG (Belgian technical approvement)
- SNJF: Façade 25 E (Société National du Joint Français)

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