Technical data sheet

PARABOND CRYSTAL



CHARACTERISTICS

- Crystal clear
- Joint and adhesive sealant
- Permanent elasticity
- Very easy to apply
- Compatible with natural stone
- Excellent adhesion to almost all building materials
- Extremely easy to apply and finish, thanks to its high viscosity and body
- No cob-webbing
- Can be applied to dry and slightly damp surfaces
- High end strength
- Does not cause any corrosion in metal joints
- Paintable
- Low odour
- Solvent and isocyanate free

APPLICATIONS

- Transparent bonding in indoor and outdoor applications where colored glue would be disturbing.
- Invisible bonding of glass in indoor applications.
- Sealing joints indoors.

TECHNICAL CHARACTERISTICS	
Type of product	Hybrid polymer
Density (g/ml)	1.06
Number of components	1
Application temperature	+5°C - +40°C
Temperature resistance	-40°C - +90°C
Curing system	Curing by air humidity
Curing speed at 23 degrees C and 50% R.H. (mm, after 24h)	2.5 - 3
Skin forming time at 23°C and 50% R.H. (min.)	15
Shore A hardness: ISO 868	35
Maximum permissible deformation: ISO 11600	12.5%
Modulus at 100% elongation: ISO 8339 (N/mm²)	0.7
Modulus at break: ISO 8339 (N/mm²)	0.8
% Elongation at break: ISO 8339	150
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.

PACKING AND COLOURS

12 x cartridge 290ML/box - 1200 pieces/pallet
Crystal

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DL CHEMICALS Since 1936 Manufacturer of Sealants

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METHOD OF USE

Preparation

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

- Apply the product with the nozzle in strips or dots to the base or on the element to be bonded. The strips must be applied in vertical rows and 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 (depends on the temperature and relative humidity). The parts can at this stage still be adjusted. Finally, push down well or tap with a rubber hammer.

Joint dimensions

- Suitable joint widths from 5 mm to 10 mm
- Joints with a width up to 10 mm: joint depth should equal joint width.

Tooling

- Smooth surface before skin formation with Perfect Joint Tooling Agent and/or the Perfect Joint Tool.

Cleaning

- Any adhesive seeping along the edges can be removed with a spatula. Uncured adhesive residues can be removed using Parasilico Cleaner, Multi-Purpose Super Cleaner or Cleaning Wipes
- After curing remove mechanically.

Paintable

- If necessary, the surface must be cleaned before it can be painted over.
- Given the wide variety of paint types available, it is recommended to test the compatibility of the sealant/adhesive with the paint in advance.
- Alkyd paints might require an extended drying time.
- Paintable after curing with most water-based paints

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.

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- 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 glazing joints.
- Not suitable for contact with edge sealing of insulating glazing. Avoid direct contact.
- Compatible with most PVB films of laminated glass. However, due to the large number of systems on the market and because the composition of it can be changed, this does not guarantee compatibility on all glazing sealants.
- Not suitable for expansion joints.
- Do not expose to UV exposure for long periods. In case of prolonged exposure, cover the product.
- When using on PVC, thoroughly clean the surface. It is advisable to carry out an adhesion test beforehand.
- Not suitable for bonding aquariums.

TECHNICAL APPROVALS AND QUALITY LABELS

- CE according to EN 15651-1: F INT
- GEV Emicode EC1plus label: very low VOC emissions
- French VOC emission class A+

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