Technical data sheet

PARABOND 900 RAPID POWER

CHARACTERISTICS

- Adhesive
- Extremely high initial bonding ('high tack')
- Initial tack of at least 500 kg/m²
- Cures very quickly: tack free after ± 20 minutes
- Permanent elasticity
- Ultra high final strength
- Compatible with natural stone
- Excellent adhesion to almost all building materials
- High resistance to UV
- Suitable for dry and humid weather conditions
- Can be applied to dry and slightly damp surfaces
- Does not cause any corrosion in metal joints
- Paintable
- Low odour
- Fast curing
- Extremely fast strength build-up
- Free from solvents, isocyanates, silicones, and phthalates

APPLICATIONS

- Bonding and assembling everything.
- Mounting heavy loads without support, screws, or nails
- Gluing of panels and elements in the interior and ceiling construction: wall cladding elements and ceiling panels (interior), isolation panels (mineral wool, wood-wool cement & plastic foams, PUR, PIR, PS).
- Indoor and outdoor use.
- Bonding to concrete, masonry, plaster, wood, metal, stone, plastic, glass, ceramics, ...
- Elastic bonding of materials in the construction, metal, and automotive industries
- Bonding of wooden and plastic skirtings (even under stress), ornaments, mouldings, cable ducts, window sills...
- Bonding of mirrors

TECHNICAL CHARACTERISTICS	
Type of product	Hybrid polymer
Density (g/ml)	1.42
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)	3
Skin forming time at 23°C and 50% R.H. (min.)	10
Shore A hardness: ISO 868	70
Tensile strength: ISO 37 (N/mm²)	4
% Elongation at break: ISO 37	220
Dry matter content	±100%
Shelf life of unopened product	12 months

DL CHEMICALS Since 1936 Manufacturer of Sealants

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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
White, Black

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

- Due to the high viscosity of the product, use a manual caulking gun with a 18:1 leverage ratio (dual power gun) or an electric or pneumatic gun for optimal extrusion.
- 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.
- Leave ±3 mm gap between bonding parts (using spacers or foam tape) so the adhesive can absorb movement, e.g. expansion and contraction of materials in outdoor applications.
- If the adhesive layer only needs to absorb minor mutual deformations between the building parts, a thinner adhesive layer (min. 1.5 mm) may suffice (eg in interior applications).
- The internal strength immediately after application is such that bonding is possible without clamping or temporary support.

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
- Tools, surfaces and product residues can be removed before curing using Parasilico Cleaner, Multi-Purpose Super Cleaner or Cleaning Wipes
- After curing, remove the product as much as possible mechanically. Cured residues can be softened beforehand with Silicone Remover if necessary.

Paintable

- After more than 48 hours, 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.
- Not suitable for use on PE, PP, PA, PTFE (Teflon).
- 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.
- Avoid contact with materials that may release or absorb plasticisers, such as butyl, EPDM, neoprene rubber, soft PVC, etc. Discoloration or loss of adhesion may occur.
- Not suitable for bonding stressed plastics such as PMMA (Plexiglas®) and polycarbonate due to the risk of stress cracking.
- Not suitable for bonding façade panels. Use Parabond Panel for this purpose.
- When used on plastics, clean the surface thoroughly. It is advisable to perform an adhesion test beforehand.

TECHNICAL APPROVALS AND QUALITY LABELS

- French VOC emission class A+

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