

Parabond Fast Hybrid Polymer



Features and Benefits

- MS hybrid polymer based elastic adhesive sealant
- Fast build-up of internal strength
- The glue obtains most of its final strength already after a couple of hours
- Extremely strong
- Bonds also with slightly moist supports
- Does not cause any corrosion in metal joints
- Suitable for use with natural stone
- Paintable with most water and solvent based paints
- Solvent, isocyanate and phthalate free
- Permanently elastic
- U.V. and weather-resistant

Application

- Bonds without primer on almost all materials used in the construction industry, such as aluminium, galvanized and stainless steel, zinc, copper, natural stone, concrete, brick, HPL panels, treated wood, gypsum, glass, various synthetic materials, etc
- For interior and exterior use
- The assembled parts can be manipulated relatively fast after gluing: window frames, furniture
- Gluing and fitting of cable ducts, mitres in aluminium windows, mirrors etc
- Can be used for bonding materials in the automotive

Tooling

- If desired, smooth finishing can be done using DL 100 or rubber stripper

Packing

- 12 cartridges of 290 ml/box - 100 boxes/pallet

Colour

- White/black

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

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

Method of application

- Apply Parabond Fast 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 15 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

Note:

- 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).

This technical data sheet replaces all previous editions. The data on this sheet have been compiled according to the last laboratory report. Technical characteristics can be changed or adapted. We are not responsible for any incomplete information. Before use, one needs to ensure that the product is suitable for his application. Therefore tests are necessary. Our general conditions apply.

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Preparation

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.

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

Technical Data

Basic ingredient	MS Hybrid Polymer
Curing system	By means of humidity
Number of components	1
Skin formation (23°C and 50% R.V)	10 – 15 min
Vulcanisation rate (23°C and 50% R.V)	2.5 – 3mm/24h
Density: ISO 1183	1.58g/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	65 (+/-5)
Elongation at break: ISO 8339	50%
Modulus at breath: ISO 8339	1.4N/mm ²
Shearing strength wood/wood (after 4h)	2.7N/mm ²
Shearing strength	Initial: 8g/cm ² After 4h: 25kg/cm ² After 1 week: 32kg/cm ²
Tensile strength	Initial: 200g/cm ² After 4h: 23kg/cm ² After 1 week: 23kg/cm ²
Solvent & isocyanate content	0%
Dry matter content	ca. 100%
Temperature resistance	-40°C – +90°C
Extremely good moisture resistance and not sensitive to frost	

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