PARABOND 600

CHARACTERISTICS

- MS-polymer based adhesive sealant
- High initial bonding strength ('high tack')
- High final strength
- 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
- Good resistance to finger picking (you get a seal which is harder to pick by hand)

APPLICATIONS

- 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
- 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)
- Wooden & plastic laths, ornaments, frames, doorsteps, window sills, skirting boards, roofing elements...
- Gluing and fitting of safety glass in the banking industry and fitting of cable ducts, mitres in aluminium windows, mirrors etc.
- Can be used for bonding materials in the automotive.
- Secure environments (i.e. prisons, hospitals, ...) where the sealant is hard so it can't be picked out by hand (not for external glazing applications!)

TECHNICAL CHARACTERISTICS	
Basic ingredient	MS polymer
Curing system	By means of humidity
Number of components	1
Skin formation time (23°C and 50% R.V.)	17 min
Vulcanisation rate (23°C and 50% R.V.)	2,5 - 3 mm/24 h
Density : ISO 1183	1,56 g/ml
Processing temperature	+5°C - +40°C
Shelf life, in original packing in dry conditions between +5°C - +25°C	12 months
Shore A hardness : ISO 868	60
Joint movement capacity : ISO 11600	20%
Modulus at 100% elongation : ISO 8339	1,60 N/mm²
Elongation at break : ISO 8339	110%
Modulus at break : ISO 8339	1,7 N/mm²
Shearing strength beech/beech	Initial : 10 g/cm² After 4 h : 15 kg/cm² After 1 week : 32 kg/cm²
Tensile strength beech/beech	Initial : 300 g/cm² After 4 h : 14 kg/cm² After 1 week : 24 kg/cm²

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TECHNICAL CHARACTERISTICS	
Tensile strength alu/alu	After 2 weeks: 15 kg/cm² After 2 weeks + 20 min 180°C: 20 kg/cm²
Solvent & isocyanate content	0%
Dry matter content	ca. 100%
Temperature resistance	-40°C - +90°C
Extremely good moisture resistance and not sensitive to frost	

PACKING AND COLOURS
25 cartridges of 290 ml/box - 48 boxes/pallet
White, black, grey (Ral 7004), dark brown (Ral 8016), beige (Ral 1001)
20 sausages of 600 ml/box - 45 boxes/pallet
White, black

Other colours are available on request (75 cartridges or multiples).

METHOD OF USE

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.

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.

Application
- Apply **Parabond 600** 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).
- The internal strength of **Parabond 600** immediately after application is such that bonding is possible without clamping or temporary support.

Tooling
If desired, smooth finishing can be done using **DL 100** or **rubber stripper.**

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. Can be painted wet on wet. 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.

SAFETY
Please refer to safety data sheet which is available on request.

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

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TECHNICAL APPROVALS

IKI-report for the use in hospitals as glue and adhesive for wall panels.
Leeds certificate for low VOC (tested by Eurofins)

* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

DL CHEMICALS Since 1936 Manufacturer of Sealants

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