



Parabond 800

Mounting adhesive with an extremely high initial bonding

Product:

Parabond 800 is a high-quality, quickly drying, durable, MS-Polymer based elastic adhesive with an extremely high initial bonding strength (tack).

Applications:

Parabond 800 has a very high initial strength and bonds without primer on almost all materials occurring in the building industry, such as aluminium, galvanized and stainless steel, zinc, copper, natural stone, concrete, brick, cement based cover sheeting, volkern, treated wood, gypsum, glass, glazing, various synthetic materials etc. Extremely suitable for gluing and fitting of safety glass in the banking industry and fitting of cable ducts, mitres in aluminium windows, mirrors.

Extremely useful for the structural gluing of panels and elements in the professional facade, interior and ceiling construction. Welding or stamping in most cases is not necessary.

Examples of applications are the vertical or horizontal fixing of:

- Wall cladding elements and ceiling panels (interior)
- Sound isolation panels (mineral wool, wood-wool cement and plastic foams)
- Thermal isolation panels (PUR, PIR and PS)
- Casings and frames in building construction
- Wooden and plastic laths, ornaments and frames
- Doorsteps, windowsills, skirting boards and cover plates
- Complete construction elements (such as roofing and facade elements) in frames

Parabond 800 is not suitable for:

- Joints that are exposed to constant submersion under water.
- Joints with a width or depth < 5 mm
- Swimming pools containing chlorine, with constant submersion under water
- Not suitable for indoor swimming pools
- For joining PE, PP, PA, Teflon® and bitumen.
 - Bitumen: use our Paraphalt for this purpose
 - Polycarbonate and poly-acrylate: Use our Parasilico PL for this purpose

Proper ventilation during processing and hardening is important.

This document replaces all previous editions. All advice, recommendations, figures and safety instructions are based on careful research and current state of our experience. Although the documentation was done with the greatest care, we do not accept responsibility for incorrect information, mistakes or printing errors. Since the design, condition of the base and the circumstances of application fall outside our assessment, no liability can be accepted based on this documentation for work done. We therefore advise the customer to do his own practical tests on site. Our general sales conditions apply.

Characteristics:

- Multipurpose gluing and mounting
- Extremely high initial bonding (higher than current Parabond range)
- Rapid increase of internal strength
- Lower extrudability than Parabond 700 (perfect dosage and dot-gluing)
- Excellent bonding on most building materials
- Can be used on slightly humid surfaces
- Solvent and isocyanate free
- Extremely strong
- Permanently elastic
- Does not cause any corrosion in metal joints
- For interior and exterior use
- UV and weather-resistant
- Suitable for rooms with high humidity
- 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.

Surface preparation and sealant application:

Base component: It must be fixed and rigid enough and need not be completely dry (may be slightly damp).

Pre-treatment: The materials to be joined must be clean and free from dust and grease. If necessary, degrease using Parasilico Cleaner, MEK, alcohol, or ethanol. 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, if necessary.

Application: Apply Parabond 800 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. For information regarding the mutual distance between the adhesive strips, refer to "Adhesive Requirements". It is advised to have a gap of 3.2 mm between the parts to be bonded, to allow the adhesive to smooth out any distortions (especially important in exterior use or under humid conditions). To achieve this space, spacer blocks or pieces of foam tape with a thickness of 3.2 mm may be used. 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 application).

Exposure time: 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) and after setting one should be pushed down well over the other or tapped with a rubber hammer.



This document replaces all previous editions. All advice, recommendations, figures and safety instructions are based on careful research and current state of our experience. Although the documentation was done with the greatest care, we do not accept responsibility for incorrect information, mistakes or printing errors. Since the design, condition of the base and the circumstances of application fall outside our assessment, no liability can be accepted based on this documentation for work done. We therefore advise the customer to do his own practical tests on site. Our general sales conditions apply.

Removal of surplus adhesive: 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. If desired, finishing can be done using DL 100 or rubber stripper.

Drying time and strength:

Parabond 800 combines the benefits of a tape with that of a reactive adhesive system:

- During assembly, Parabond 800 has a high bonding capacity and internal strength. Thus it is possible to work without temporary supports or the joined parts can be moved directly or be processed further.
- After drying under the influence of humidity, Parabond 800 cures into a permanently elastic and extremely strong bond.

Adhesive Requirements:

Parabond 800 is applied in the form of adhesive strips or dots. By placing the component to be joined, the adhesive distributes between the component and the base. The eventual surface of the adhesive layer determines the strength of the connection, both initially as well as after drying. The relationship between the dimensions of the adhesive strips and the final adhesive surface is determined by the surface structure of the parts to be joined and obviously of the final thickness of the adhesive. Triangular adhesive strip of 9 mm wide and 9 mm high (approx. 40 mm² in diameter) provides an adhesive width of 13 mm at a thickness of 3 mm on smooth materials. On uneven base, the adhesive width at a minimum thickness of 3 mm will correspond with approx. 10 mm. At an adhesive thickness of 1.5 mm, the widths are respectively 26 and 20 mm approx. Apply the strips parallel to each other, to allow the humidity to reach the glue between the strips. Assuming a standard triangular strip of 9 mm wide and 9 mm high and after pressing together to adhesive thicknesses of 1.5 and 3 mm, the relationship as stated below can be established between strip distance and weight of the parts to be joined. Level bases to glue were assumed. It is advised to carry out tests beforehand. With the bonding of bigger wall or ceiling elements, possible additional gravitational forces should be considered (eg. because of bends in the panels).

Packaging & Colour:

12 cartridges of 290 ml per box: white ó black
Other colours on request.

Storage and stability:

Keep in a cool and dry place in sealed packing.

Shelf life is 12 months in the sealed packing between +5°C and +25°C.

Shelf life in opened packing is limited.



This document replaces all previous editions. All advice, recommendations, figures and safety instructions are based on careful research and current state of our experience. Although the documentation was done with the greatest care, we do not accept responsibility for incorrect information, mistakes or printing errors. Since the design, condition of the base and the circumstances of application fall outside our assessment, no liability can be accepted based on this documentation for work done. We therefore advise the customer to do his own practical tests on site. Our general sales conditions apply.

Safety:

Please consult the safety data information, which is available on request.

Technical data:

Basic ingredient:	MS-Polymer
Curing system:	By means of humidity
Curing speed:	2,5 to 3 mm/24 hours at 23°C and 50% R.H.
Number of components:	one
Skin formation time:	10-15 minutes at 23°C and 50% R.H.
Density:	1.64g/ml approx. (ISO 1183)
Shore A hardness:	60 (± 5) (ISO-868)
Modulus at 100% elongation:	1.900 N/mm ² (ISO-8339-40)
Modulus at break:	2000 N/mm ² (ISO-8339-40)
Elongation at break:	150% (ISO-8339-40)
shearing force:	3.8 N/mm ²
Solvent content:	0%
Isocyanate content:	0%
Dry matter content:	100% approx.
Processing temperature:	+5°C to +40°C (do not process below +5°C.)
Temperature stability:	-40°C to +90°C
Moisture resistance:	very good
Frost stability:	not sensitive to frost

Information application:

DL-Chemicals NV

Roterijstraat 201-203

8793 Waregem

Tel +32 (0)56 62 70 51

Fax +32 (0)56 60 95 68

E-mail: info@dl-chem.com

Website: www.dl-chem.com



This document replaces all previous editions. All advice, recommendations, figures and safety instructions are based on careful research and current state of our experience. Although the documentation was done with the greatest care, we do not accept responsibility for incorrect information, mistakes or printing errors. Since the design, condition of the base and the circumstances of application fall outside our assessment, no liability can be accepted based on this documentation for work done. We therefore advise the customer to do his own practical tests on site. Our general sales conditions apply.