



# Parabond Marine-Parquet

Adhesive for use in the shipping industry and sealing of parquet

## Product:

Parabond Marine-Parquet is a one-component, neutral curing, ready to use, Hybrid Polymer based glue and adhesive with a high elasticity.

## Applications:

As a universal glue and adhesive for use in the shipping industry and sealing of parquet, Parabond Marine-Parquet is extremely suitable for sealing horizontal (and vertical) floor joints in decks of ships and connecting joints for Parquet, for application both internally and externally. Parabond Marine-Parquet 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.

Examples of applications are:

- Waterproof sealing of seams in teak-wood decks
- Floor joints in decks of ships
- Bonding and sealing of skirting boards
- Gluing of cornices
- Sealing of deck/hull joints
- Gluing and sealing of portholes and hatches

Parabond Marine-Parquet should not be used 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
- Gluing of PE, PP, PA, Teflon® and Bitumen:
  - For Bitumen: Paraphalt is suitable
  - For Polycarbonate & polyacrylate: Parasilico PL is the ideal sealant

Proper ventilation during processing and during the hardening is important.

## Characteristics:

- Bonds even to moist backgrounds
- Solvent and isocyanate free
- Does not cause any corrosion in metal joints
- For interior and exterior use
- UV and weather-resistant
- Suitable for rooms with high humidity
- Can be sanded
- Suitable for use with natural stone
- Odourless

This technical data sheet 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.

- 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 & sealant application:**

Base component: It must be fixed and rigid enough. The base does not have to 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 Marine-Parquet with the supplied nozzle in strips or dots to the support or on the element to be bonded. For mutual distances between the adhesive strips, field trials may be conducted. DL-Chemicals advises 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 construction parts, a thinner adhesive layer (at least 1.5 mm) will suffice (for example in interior applications).

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. Cured adhesive must be removed mechanically. If desired, smooth down using DL 100 or rubber stripper.

**Strength after application:**

Internal strength (direct) 0.0005 N/ mm<sup>2</sup>

Internal strength (after 60 minutes) 0.0015 N/ mm<sup>2</sup>

After vulcanisation:

Tensile stress at 100% elongation: 2,0 N/mm<sup>2</sup> (ISO 37)


Tensile stress 2.6 N/ mm<sup>2</sup> (DIN 53504/ISO 37)

Elongation at break: 200% (DIN 53504/ISO 37)

Shear stress 1.414 N/ mm<sup>2</sup> (DIN 53283)

**Joint dimensions:**

Joint width	Joint depth	Allowed Deviation
6 mm	6 mm	± 1 mm
8 mm	6 mm	± 1 mm
10 mm	6-8 mm	± 2 mm
15 mm	10 mm	± 2 mm
20 mm	10-12 mm	± 2 mm
25 mm	15 mm	± 3 mm



This technical data sheet 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.

**Technical data:**

Basic ingredient:	Hybrid 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:	35 minutes at 23°C and 50% R.H.
Density:	1.47 g/ml approx. (ISO 1183)
Shore A hardness:	40 (+/- 5) (ISO-868)
Joint movement capacity:	25%
Modulus at 100% elongation:	1.100 N/mm <sup>2</sup> (ISO-8339-40)
Modulus at break:	1.500 N/mm <sup>2</sup> (ISO-8339-40)
Elongation at break:	200% (ISO-8339-40)
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:	extremely good
Frost stability:	not sensitive to frost

**Packaging & Colour:**

25 cartridges of 290 ml per box: oak ó maple ó black

Other colours on request.

**Storage and stability:**

Keep in a dry and cool place in sealed packing.

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

**Safety:**

Please refer to safety data sheet, available on request.

**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](mailto:info@dl-chem.com)

Internet: [www.dl-chem.com](http://www.dl-chem.com)



This technical data sheet 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.