



PROBOND Bonder & Sealer

Technical Documentation

TTP HARD drills Limited
 Brunel House, 9 Penrod Way,
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 Tel : 0161 327 2741
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Product

PROBOND is a high-quality, multi-purpose universal sealant and bonder suitable for construction / installation and Vehicle bodywork applications

Applications

- Seal, adhere and install anything on practically any surface/material.
- Versatile sealant for connecting joints between building components in façades, floors, interior and exterior walls, ceilings and roofs.
- Multifunctional installation and construction adhesive, suitable for most building materials.
- Fungicidal sealant for units with plumbing fixtures, sanitary spaces and cold storage units.
- UV-resistant glazing compound for top and bead seals in safety glass.
- Super strong construction compound for bridge joints between concrete parts, such as galleries and balconies.
- Seal, adhere and install metal parts in the construction of roofs, façades, bodywork, containers and air ducts.
- Waterproof adhesion of post-and-lintel slabs and EPDM films in the construction of roofs, façades and ponds.
- Stainless adhesion and installation of mirrors and façade, decorative and insulation panels.
- Durable joint sealant around floor drains and other drains in sanitary spaces and other spaces with plumbing fixtures.
- As an elastic paintable sealant and filler for joints, seams, cracks, holes and fissures.
- Repair adhesive for renovation and maintenance in the construction, industrial, marine and automotive sectors.

Properties

- Durable, retains elasticity, maximum movement capacity of 25%.
- Excellent adhesion without primer on practically all surfaces, even moist ones.
- High mechanical resistance and ultimate strength, fast-curing and fast-strengthening.
- Universal and user-friendly product to seal, adhere and install anything, both indoors and out.
- No staining or bleeding on porous materials, such as natural stone, and no edge contamination.
- Free of isocyanate, solvents and silicone.
- Very low emission: certified EMICODE EC1 PLUS, BREEAM, EUROFINS LEEDS® and VOC emission class A+
- Good resistance to discolouration, UV, weather, water, moisture, fungus and ageing.
- Odourless, bubble-free and non-shrink fast-curing **CE**-certified MS-Polymer® system.
- Compatible in direct contact with the silver coating on mirrors and PVB-film on laminated glass.
- Usable wet-on-wet, repair with the same material.
- Good absorption of mechanical and acoustic vibrations.
- Paintable immediately after skin formation.
- Non-corrosive to metals.

The information contained herein are given in good faith based on our current knowledge and experience on the product when properly stored, handled and applied under normal conditions in accordance with our recommendations. In practice the differences in materials, substrates and actual site conditions are such that no warranty in respect to merchantability or fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred from this data sheet. The recommendations or suggestions contained in this data sheet are made without guarantee as to results. We suggest that you test the product's suitability for the intended application and purpose prior to use. Our responsibility for claims arising from breach of warranty, negligence or otherwise is limited to the purchase price of the material. TTP HARD drills Limited reserves the right to change the properties of this product. The proprietary rights of third parties must be observed.



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Standard product line

Colour	290ml cartridge
White	PRB20W
Black	PRB20B

Technical product data

Base	MS-POLYMER®		
Viscosity	mm	ISO 7390	<2
Density	g/ml		1.53
Skin formation time	min.	23°C/55% RH	10
Cures in 24 hours	mm	23°C/55% RH	2-3
Contraction			None
Permissible deformation	%		25
Temperature resistance once fully cured	°C		-40/+100
Mechanical values	2mm film		
Shore A hardness		DIN 53505	60
Modulus at 100%	MPa	DIN 53504	1.35
Tensile strength	MPa	DIN 53504	2.20
Stretch at breaking point	%	DIN 53504	300

Shelf life

In unopened original packaging, stored in a cool dry place between +5°C and +25°C, the product will last up to 15 months after the production date.

Application conditions

- Application temperature (ambient and surface) between +5°C and +40°C.
- On clean, uncontaminated, compatible, stable, dust-free and grease-free surfaces.
- Ensure proper joint dimensions, for proper absorption of any movements.
- Degrease the surface properly using a good quality degreaser
- Use a suitable brush to remove any loose particles from the surface.
- For adhesive applications, apply material vertically (ventilation) in beads spaces between a minimum of 10 cm and a maximum of 20cm.
- PROBOND has a broad bonding spectrum, but highly porous surfaces may require a primer. Always test material.



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Paintability

After skin formation, PROBOND offers optimal paintability with emulsion paints. However, synthetic paint systems may dry slowly. If it will be painted (not necessary), for best results, we recommend lightly sanding the PROBOND and adjacent parts with a Scotch-Brite® pad, then thorough degreasing with a good quality cleaner and degreaser. Paint immediately after this.

Cleaning

Remove fresh/uncured material from surfaces and tools with a good quality cleaner. Clean hands/skin with good quality hand wipes. Cured material must be removed mechanically.

Limitations & recommendations

Not suitable for continuous water loads or dilation joints. Not suitable for PE, PP, PC, PMMA, PTFE, soft plastic, neoprene or bituminous surfaces. Discolouration may occur under certain conditions, such as due to direct contact with chemicals, applications in dark rooms/spaces or release of plasticiser from the surface.

We recommend testing the adhesion and the material and paint compatibility in advance.

Health & safety

Avoid long-term contact with skin. If uncured material gets in your eyes, rinse out thoroughly with plenty of water and consult a physician. The product safety data sheet is available on request.

Warranty & liability

TTP HARD drills Limited guarantees that its product will meet the specifications during its shelf life. Liability shall never exceed that stipulated in our terms and conditions of sale and supply. Under no circumstances shall the seller be held liable for any consequential damages. The information provided is the result of our testing and experience and is general in nature. However, it does not entail any liability. Users are responsible for performing their own tests to determine whether the product is suitable for the application.

