



PERESEAL

EXPERTISE IN SEALANT TECHNOLOGY

HB

HYBRID BOND

HYBRID POLYMER SEALANT / ADHESIVE

PERESEAL® HB Hybrid Bond is a high-performance sealant / adhesive based on hybrid polymer technology. It has exceptional adhesive strength when used as an adhesive, and superb weather-resistance, durability, and elasticity when used as a sealant.

APPLICATIONS

For all construction sealing and bonding where high adhesive strength and good weatherability is required, such as for waterproofing, concrete joints, metal construction, timber assembly and bonding, and automotive sealing and bonding.



- Exceptional adhesive strength - can bond up to 200 kg / 10 sqcm
- Permanently elastic after curing
- UV and weather resistant
- Does not contain solvents, silicone, or isocyanates
- Very low VOC content
- Excellent adhesion to almost all materials
- Over-paintable
- Temperature resistance: -40°C to +90°C

HYBRID POLYMER

MOISTURE CURING

UP TO **25%** MOVEMENT



SUPER STRONG



MOST MATERIALS



WEATHERPROOF

High performance, weatherproof sealant / adhesive with exceptional adhesive strength on most materials

The Pereseal Difference



Home-grown brand with a focus on quality and control



Tested and certified for many quality standards



We have a wealth of experience in sealants and applications



Used for over 35 years in a wide range of projects



We take pride in our quality standards and control



With our experienced and knowledgeable team

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TECHNICAL DATA

Base	Hybrid Polymer
Consistency	Thixotropic paste
Curing system	Moisture cure
Skin formation	ca. 12 minutes
Curing rate (23°C / 50% R.H.)	2.5 mm / 24 hours
Hardness (ISO 868)	40±5 Shore A
Shrinkage (ISO 10563)	< 3%
Specific gravity	1.57 - 1.63
Temperature resistance	-40°C to +90°C
Maximum tension (DIN 53504)	1.5 - 2.0 N/mm ²
Elongation at break (DIN 53504)	>300%
Sagging (ISO 868)	0 mm

APPLICATION

Application method	Applicator gun
Application temperature	+5°C to +40°C
Clean	with white spirit before application
Tooling	with soapy solution before skin formation
Repair	with PERESEAL HB

JOINT SIZE

Minimum width	5 mm
Minimum depth	5 mm
Recommendation	joint width = 2 x joint depth

SUBSTRATE

Suitable for all materials, except for PE, PP, and PTFE. Suitable substrates include: Aluminium, Brick, Ceramics, Concrete, Glass, Granite, Limestone, Marble, Metals, Porcelain, PVC, Timber, Wood, etc.

Surfaces should be clean, dry, free of dust and grease. A preliminary compatibility test before application is recommended.

COLOUR AND PACKAGING

Colour	White
Packaging volume	600 ml aluminium foil packs
Packaging	12 packs / box

OTHER NOTES

Storage and shelf life

12 months for unopened packaging in cool and dry storage place at temperature between 5°C to 25°C

Safety measures

Apply the usual industrial hygiene

The directives contained in this documentation are the result of our experiments and of our experiences and have been submitted in good faith. Because of the diversity of materials and substrates and the great number of possible applications which are beyond our control, we cannot accept any responsibility for the results obtained. In every case, it is recommended to carry out preliminary experiments.



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A Quality Product from PFE Technologies, Singapore

ABOUT PFE

PFE Technologies Pte Ltd is an established distribution and manufacturing company producing and supplying abrasives and sealant products. The company has owned, manufactured, marketed and distributed the Pereseal range of sealants for over three decades.

Established in Singapore in 1978, PFE Technologies has gained a reputation for quality, reliability, and outstanding value. PFE's mission is to deliver a superior level of services and products to achieve enduring, life-long customer satisfaction and relationships.