



## PERESEAL HB HYBRID BOND SEALANT / ADHESIVE

### Technical Data

Base	Hybrid Polymer
Consistency	Thixotropic Paste
Curing system	Moisture curing
Skin Formation Time (23°C, 50% R.H.)	12 – 25 min
Curing rate (23°C, 50% R.H.)	Min. 2.5 mm / 24 hrs
Sagging (ISO 7390)	0 mm
Hardness (Shore A after 28 days) (ISO 868)	40 ± 5
Specific gravity	1.57 – 1.63
Temperature resistance	-40°C to 90°C
Application temperature	+5°C to +40°C
Elongation at break (DIN 53504)	>300%
Tensile strength (DIN 53504)	1.5 – 2.0 N/mm <sup>2</sup>
Shrinkage (ISO 10563)	< 3%
Movement capability	25%
Paintability	Good

**PERESEAL® HB Hybrid Bond** is a high-performance sealant / adhesive with superb bond strength when used as an adhesive, and outstanding weather-resistance, durability, and elasticity when used as a sealant.

PERESEAL® HB is based on Hybrid Polymer technology, which gives the product exceptional bond strength to almost all construction materials. It can be used for heavy bonding in construction, industrial, and marine, and automotive applications.

### Application

- All construction, industrial, and marine, and automotive sealing & bonding applications where high adhesive strength and good weatherability is required, such as:
  - Waterproofing
  - Concrete joints
  - Metal construction
  - Timber assembly / bonding
  - Automotive sealing / bonding
- Expansion joints between many different construction materials, including pre-cast concrete panels
- Bonding of roof tiles; other bonding/sealing applications in roofing / gutter / spouts

- Installation and sealing of window and door frames, especially in perimeter
- Sealing and bonding of HVAC, ventilation ducts, and others

### Properties

- Very high adhesive strength on almost all materials – can be used as an adhesive
- Possesses permanent elasticity
- Very good resistance against UV, rain, water, and other weather elements
- No sagging; no shrinkage
- No surface tackiness after full cure; does not pick up dirt
- No bubble formation, even in wet and humid conditions
- Easy one-component application
- Over-paintable
- Does not contain solvents, silicones, or isocyanates; very low VOC

### Substrate

Suitable for most building materials, porous or non-porous, including aluminium, brick, cement, ceramics, concrete, glass, granite, limestone, marble, metals, porcelain, PVC, and wood. Surfaces must be clean and dry, free of dirt, wax, oil and grease.

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



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EXPERTISE IN SEALANT TECHNOLOGY

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Technical Data Sheet

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### Application method

- Before application, make sure that joint surfaces are clean, dry, and free of all contamination.
- A preliminary compatibility test is recommended.
- Use an appropriate applicator gun (manual or pneumatic caulking gun for 600 ml foil packs).

### As a sealant

- Apply product evenly. Tool with spatula. If necessary, use masking tape and remove the tape before sealant skins.
- If necessary, use backer material to adjust joint depth
- Sealants should adhere to only two surfaces of the joint: use backer rods and bond breakers to facilitate.

### As an adhesive

- Apply product in beads on one or both sides of the substrate. Ensure enough coverage.
- Press materials together before the product skins (ca. 12 minutes)
- Pereseal HB has significant initial tack, however we recommend users to ensure support (if necessary) to prevent heavy materials from sliding / dropping during the curing process.
- At least 24 hours is recommended before loading the bond.

### Joint Size

- Min. width 5 mm
- Min. depth 5 mm
- Recommendation 2 x joint width = joint depth

### Storage and shelf life

12 months for unopened packaging in a cool and dry storage place at temperature between +10°C to +25°C

### Packaging

600 ml per aluminium foil pack (sausage), 12 sausages per box

### Colour

White

### Safety Measures

Take usual hygiene precautions. Refer to the Safety Data Sheet of the product for other safety measures.

### Remarks

- Avoid application below 5°C and above 40°C.
- Not suitable for food contact applications.
- This product requires atmospheric moisture to cure.

### Conformity

- Meets VOC content specifications in LEED credit EQc4.1 "Low-emitting products" of SCAQMD rule 1168.
- EN15651 for façade applications.

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Technical Data Sheet  
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PFE Technologies Pte Ltd  
9 Gul Street 4, Singapore 629238  
Tel: +65 6558 6388 | Fax: +65 6558 7310  
Email: info@pfe.tech | Website: www.pfe.tech