



PERESEAL

EXPERTISE IN SEALANT TECHNOLOGY

PU

POLYURETHANE HIGH PERFORMANCE PU SEALANT

PERESEAL® PU is a high performance elastic joint sealant that has excellent elasticity and possesses superb adhesion to all typical construction materials such as cement-based materials, concrete, brick, ceramic, glass, wood, iron, and plastics.

APPLICATIONS

Sealing of expansion joints between pre-cast concrete panels, and between many construction materials. Also suitable for various bonding and sealing applications such as for window and door frames, prefab connection joints, roofing, and ducting.



- Conforms to ASTM C920:2001
- Possesses permanent elasticity
- Medium-low modulus
- Non-sagging, no slump
- No surface tackiness after full cure
- No shrinkage
- Over-paintable
- Cures bubble-free
- Easy application

**PU
POLYMER**

**MOISTURE
CURING**

UP TO
25%
MOVEMENT



High performance PU sealant with superb elasticity and adhesion for use in demanding applications

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

www.pereseal.com

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TECHNICAL DATA

Base	Polyurethane
Consistency	Thixotropic
Curing system	Moisture cure
Tack-free time (23°C / 50% R.H.)	30 - 60 minutes
Curing rate (23°C / 50% R.H.)	2.0 mm / 24 hours
Hardness	25 - 45 Shore A
Shrinkage	None
Specific gravity	1.20 - 1.25
Temperature resistance	-40°C to +70°C
Elastic recovery (ISO 7389)	≥ 70%
E100 Modulus (23°C) (ISO 8339)	0.30 - 0.35 N/mm ²
Movement capability	±25%
Elongation at break (ISO 8339)	350%

APPLICATION

Application method	Applicator gun
Application temperature	+5°C to +35°C
Clean	with white spirit before application
Tooling	with soapy solution before skin formation
Repair	with PERESEAL PU

STANDARDS/APPROVALS

ASTM C920:2001	TÜV SÜD PSB Pte Ltd
HDB Specification: Sealant - Semi-Precast Construction	

JOINT SIZE

Minimum width	10 mm
Maximum width	50 mm
Minimum depth	5 mm
Recommendation	joint width = 2 x joint depth

SUBSTRATE

Substrate: All usual building surfaces

Surfaces should be clean, dry, free of dust and grease. We recommend a preliminary compatibility test before application.

COLOUR AND PACKAGING

Colour	Concrete grey
Sausage volume	600 ml
Packaging	12 sausages / box

OTHER NOTES

Storage and shelf life

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

Safety measures

Apply the usual industrial hygiene. Refer to the Material Safety Data Sheet of the product for other safety measures.

Remarks

Do not apply on frozen or wet surfaces or through standing water

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.



A Quality Product from PFE Technologies, Singapore

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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.