



SpECseal PU25

1 PART POLYURETHANE, LOW MODULUS CONSTRUCTION SEALANT

DESCRIPTION

SpECseal PU25 is a one component, moisture curing, polyurethane construction sealant. The product has been formulated to offer a non-slump elastomeric sealant, which exhibits good skin formation time and fast cure.

TYPICAL USES

SpECseal PU25 may be used for bonding and sealing most common building materials including concrete, wood, lacquered metal, anodised aluminium and glass. **SpECseal PU25** has high elasticity, excellent recovery and tear resistance and good weatherability.

ADVANTAGES

- Tough resilient seal
- No primer required
- Non staining
- Good resistance to dilute acids and alkalis
- Available in range of colours

STANDARD COMPLIANCE

ISO 11600 Class F 25LM

TECHNICAL DATA

Colours	black, grey, white, teak, middle grey (special colours subject to minimum order size)
Movement accommodation factor	25%
Consistency	thixotropic
Specific gravity @ 20°C	1.3
Tooling time @ 20°C and 50% R.H.)	60 min.
Paint compatibility	water-based: compatible solvent based: check compatibility

Skin formation time

(23°C 50% R.H.) 75 minutes

Curing speed

(23°C 50% R.H.) 2.5mm per 24 hours

Shore A hardness

MEI 022 20 - 25

Modulus at 100%

elongation (ISO 8339) 0.20 - 0.25 MPa

Elongation at break

(ISO 8339) >250%

Temperature resistance -20 to +80°C

CHEMICAL RESISTANCE

SpECseal PU25 is resistant to:

Ultraviolet light	good
Dilute acids and bases	medium
Salt water	excellent

APPLICATION

Preparation

It is essential that the joint arises are clean and free from any deleterious matter which could prevent adequate bond to the substrate.

The substrates must be clean, dry, free of dust and grease.

Application

SpECseal PU25 shall be applied with a manual or pneumatic caulking gun. The product should be gunned into the prepared joint. Do not apply the sealant at temperatures <5°C. Do not apply on wet substrates. After application the sealant can be smoothed with a gloved finger using soap and water as lubricant.

EQUIPMENT CLEANING

SpECseal PU25 should be removed immediately from tools using solvent (white spirit) before curing. Cured material can only be removed by mechanical means.

PACKAGING AND YIELD

SpECseal PU25 is supplied in a 600ml sausage sachet.

APPLICATION TEMPERATURE RANGE

Minimum +5 °C
Maximum +40 °C

STORAGE AND SHELF LIFE

SpECseal PU25 has a shelf life of 12 months when stored in original packaging at a maximum

temperature of 30 °C. If stored at high ambient temperatures or at high humidity the shelf life will be reduced by as much as 50 - 60%.

HEALTH AND SAFETY

SpECseal PU25 contains isocyanate and should not come into contact with skin or eyes. If swallowed, DO NOT induce vomiting. Seek medical attention immediately. Refer to product MSDS for more information.

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SPECIALITY ENGINEERING CHEMICALS

PO Box 61347, Dubai, United Arab Emirates. Telephone: +971 4 883 6662, Fax: +971 4 883 7696

E-mail: info@spec.ae; Skype ID: [spec.sales](https://www.skype.com)

www.spec.ws