



SpECseal PU25

1 PART, MEDIUM MODULUS POLYURETHANE 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. **SpECseal PU25** can also be used in submerged conditions

ADVANTAGES

- Tough resilient seal
- No primer required
- Non staining
- Good resistance to dilute acids and alkalis
- Available in range of colours
- Non-toxic - safe for potable water application

STANDARD COMPLIANCE

ISO 11600 Class F 25LM
ASTM C 920

TECHNICAL DATA

Colours	black, grey, white, beige and ivory. Other colours subject to minimum quantity
Movement accommodation factor	25%
Consistency	thixotropic
Specific gravity @ 20°C	1.18
Tooling time @ 20°C and 50% R.H.)	60 min.
Paint compatibility	water-based paints

Note: Paints may crack with excessive joint movement

Skin formation time

(23°C 50% R.H.) 120 minutes

Curing speed

(23°C 50% R.H.) 3mm/day

Shore A hardness

MEI 022 35

Modulus at 100%

Elongation (ISO 8339) 0.4 MPa

Elongation at break (ISO 8339) 750%

Temperature resistance -30 to +70°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 and other contaminations. Do not apply to wet, damp or hot surfaces, or during inclement weather when used in exterior joints.

Application

SpECseal PU25 shall be applied with a manual or pneumatic caulking gun. After application the sealant can be smoothed with a finishing tool or gloved finger dipped in soapy 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 600ml sausage sachets.

One 600 sachet will fill 6 LM of 10mm x 10mm joint. For larger joints a width-to-depth ratio of 2:1 should be maintained. In open joint use **SpECcord** backer rods to keep a uniform joint depth.

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. Wear protective gloves and goggles.

Issue 11: 01/2016

QA-054

Whilst the information and/or specifications given are, to the best of our knowledge, true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents or distributors as the conditions of use and labour involved are beyond our control.

If it is proven that the product does not perform as described in our TDS, SpEC's liability extends solely to the free replacement of product, once the claim has been accepted after due investigation by SpEC. SpEC will not entertain any claims involving any form of consequential costs or damages such as shipping costs, custom duties, damages to third parties, damages to structures, penalties from delay of a project or any other form of consequential damage.

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

www.spec.ae