

Cemseal JT25PU

Single Component Polyurethane Joint Sealant

cemseal[®]
Your Construction Chemical Partner

The Product

Cemseal JT25PU is a high performance, low modulus, elastomeric, non-sag, polyurethane joints sealant with weather resistance properties for construction, expansion and connection joints as well as for cracks.

Cemseal JT25PU is single component joint sealant. It should be dispensed from either the cartridge or sausage by means of a caulking gun. It reacts with moisture in atmosphere to form a flexible rubber seal. When full cured, it will form a tough, flexible seal capable of cyclic expansion and compression movement of 50% ($\pm 25\%$) of the original joint width.

Uses

For protecting joints, expansion joints, construction joints and cracks in

- ◆ Insitu concrete
- ◆ Precast concrete panels
- ◆ Movement joints in concrete
- ◆ Panel roofing; Roofing joints; Claddings
- ◆ Metal / aluminium curtain wall
- ◆ Tile movement joints
- ◆ Granite, sandstone and marble
- ◆ Brick & blockwork; Plasterboard
- ◆ Window / door frame surrounds
- ◆ GRC, Fibreglass & Specialty panel systems
- ◆ Repair and reinstatement of leaking joint sealing system
- ◆ Water tanks

Advantages

- ◆ High durability
- ◆ Low modulus 50% ($\pm 25\%$)
- ◆ Easy application
- ◆ Single component, no mixing required
- ◆ Non-slump on vertical surfaces
- ◆ Can be painted over with acrylic dispersion paint
- ◆ Excellent adhesion to all sound and prepared substrates, even without primer
- ◆ Weather and water resistant

Technical & Physical Data

Product Type	Thixotropic Polyurethane
Colour	Grey, White, Black & Special colors available upon request
Packaging	600ml per sausage (20 sausage per box)
Cure Method	Moisture Curing
Curing at 23°C 50%RH	2mm per 24 hours
Tack Free Time	6-12 hours
Service Temperature	-20°C to 80°C
Application Temperature	50°C to 35°C
Hardness Shore A	20 approx.
Shelf Life	12 months of kept in a cool dry sheltered place

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Method of Statement

Substrate

All substrate (Concrete, Stone, Mortar, Renderings, Steel, Resin Surface) to receive Cemseal JT25PU High Performance Single Component Joint Sealant shall be structurally sound and must be firm, dry, clean, free of dirt, oil, grease and all other foreign matter. The age of new concrete must be at least 28 days is required of the prepared surface before application.

EXISTING SUBSTRATE : The surface must be existing structurally sound, dry and free of all contaminants. Weak or contaminated concrete must be remove until sound concrete is realized. Old coating, toppings, waxes, oils etc must be removed by mechanical methods.

Mechanical methods such as blasting or grinding should be carried out to remove the weak layer of surface laitance followed by thorough vacuum/dust removal.

Any spalling or honeycombing must be repaired using Cemseal Repair Mortar and allowed to cure completely prior to application of Cemseal JT25PU Sealant.

Do not apply to siliconised substrates.

Application

Cemseal Backer Rod should be placed into the joint to the required depth. The size of backer rod is approximately 30% over the original joint width. Optimum performance is achieved when width:depth is 2:1.

Cemseal Backer Rod is used as a bond-breaker to ensure that the sealant bonds only to the sides of the joint. Alternatively, a debonding tape may be placed at the base of the sealing slot prior to the application.

Cemseal JT25PU should be extruded from barrel gun into the prepared joint and tool immediately to achieve a leveled surface. It is also recommended that masking tape be placed over the sides of the joints and removed immediately after tooling.

For maximum performance on porous substrate and in all immersed application, Primer is recommended.

Limitation and Others Application

To consult the local Cemseal's representative.

For Further Information

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First Aid

In case of contact with eyes, skin or body wash immediately with clean fresh water or stand under shower and wash off. In case of inhaling of vapor or ingestion remove to fresh air and do not induce vomiting. **Obtain immediate medical treatment.**

Statement of Responsibility

The technical information and application advice given in this Cemseal publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature no assumption can be made as to a products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user, is responsible for checking the suitability of products for their intended use.

Note

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