Sealed
Insulating Materials

Technical Data Sheet
Sealed PU Sealant

Description and Applications

Sealed PU Sealant is a 1-component polyurethane-based moisture-curing, non-sag elastomeric sealant. It is highly resilient and has excellent recovery characteristics. It can function under wide range of temperatures. Meets ASTM C 920 and ISO 11600 Classification F 25 LM.

Used in sealing movement joints in precast concrete construction, balcony parapets, bridge culverts, retaining walls, etc. for caulking joints around windows, doors, skirting, walls and floor joints.

Advantages

- Easy to use and to extrude
- Short cut off string
- Bubble free curing
- Excellent adhesion to different construction materials
- Excellent weathering and aging properties
- Excellent resistance to chemicals micro organisms

Typical Properties

All values are based on the following parameters, +23°C / 50% r.h.

Property	Value
Color	Gray
Skin Formation (minutes)	60
Curing rate (mm/24 hours)	2-3
Movement Capability (%)	50
Specific Gravity	1.25
Sag flow (mm)	0, very good
Service Temperature (°C)	(-40) – (+70)
Tear strength (N/mm)	~ 6
Shore A Hardness after 28 days	~ 30
E- Modulus at 100% elongation (N/mm2)	~ 0.4
Elongation at break (%)	> 500
Elastic recovery (%)	> 70

Packaging

600 mL Sausages

Usage Instructions

Surface preparation: All joints must be clean. For concrete, sand blasting is recommended. All curing compounds, caulks, grease, water proofing compounds etc. must be removed. For non-porous surfaces such as glass, metal, etc, cleaning with M.E.K or Toluene is recommended. Polyethylene rod or polyurethane foam is recommended as a joint filler and back up material. Fillers treated with bituminous products, grease or oil should not be used. Where present they must be removed or separated by vinyl tape or polyethylene film.

Application: Apply by caulking gun, hand or pressure type bulk sealant can be applied by pumping equipment. Press firmly into joint to assure good contact and finish with a trowel or putty knife.

Consumption /Joint: The joint width must be designed to suit the movement capability of the sealant. In General the joint width must be > 10 mm and < 35 mm. A width to depth ratio of ~ 2 : 1 must be maintained.

All joints must be properly designed and dimensioned by the specifier and the main contractor in accordance with the relevant standards, because changes are not usually feasible after construction. The basis for calculation of the necessary joint width is the technical values of the joint sealant and the adjacent building materials, plus the exposure of the building, its method of construction and its dimensions.

Consumption

Join Width	10 mm	15 mm	20 mm	25 mm	30 mm
Join Depth	8 mm	8 mm	10 mm	12 mm	15 mm
Join Length/ 600 mL	~7.5 m	~4.5 m	~2.5 m	~1.6 m	~1.3 m

Safety

In case of eye contact, flush eyes with plenty of fresh water for 15 minutes and obtain medical attention. In case of skin contact, remove it and flush with water. Refer to the Material Safety Data Sheet for more information regarding safety instructions.

Storage and Shelf Life

9 months from date of production if stored in undamaged original sealed containers, in dry conditions and protected from direct sunlight at temperatures between +10°C and +25°C.

Contact Info

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