



SU 10

Single component, Polyurethane joint sealant

DESCRIPTION

SU 10 is a low modulus one-component, moisture curing Class A polyurethane sealant. It cures into a flexible, durable and weather resistant elastomeric sealant that has very good adhesion to most construction materials. It can accommodate cyclic joint movement of 50% (+/-25%) of the joint width.

SU 10 meets the performance requirements of the following specifications of TT-S-00230C and ASTM C-920

USES

- Interior and exterior expansion joints in building
- Sealing of small joints and fillets, windows and door frames
- Flashing and common roofing detail applications
- Sealing joints of facade panels and curtain walls
- In-situ concrete
- Precast panels
- Water tanks and swimming pools
- Metal frames
- Irrigation channels
- Granite and marble

FEATURES

- No primer required
- Single component: ready to use
- Non staining
- UV resistance
- Resistance to dilute acids and alkalis
- Suitable for both horizontal and vertical joints
- Resistance to different weather conditions
- Good adhesion to most building materials like concrete, glass, wood, stone and anodised aluminum
- Available in Black, Grey and White colours. Special colours available on request.
- Excellent extrusion, tooling and storage stability over wide range of climatic condition
- Excellent chemical resistance, suitable for sealing joints in swimming pools and chemically treated water
- Microorganism and fungus resistant

PHYSICAL PROPERTIES

SU 10	@ 27 ± 1°C
Consistency	Non sag smooth Thixotropic paste
Movement Accommodation Factor (MAF)	± 25%
Shore A Hardness ASTM D2240	25

Tack free time ASTM C679	45 minutes
Skin formation time	2 hours
Curing	3mm per 24 hours
Tensile strength ASTM D412	0.7 Mpa
Elongation at break ASTM D412	> 550%
Temperature Resistance	-30°C to 80°C
Application Temperature	5°C to 35°C
Maximum joint width	30 mm

COVERAGE ESTIMATES

Pack Size	Coverage
600 ml sausages (20 sausages per box)	$\frac{L = 600}{(W \times D)}$
L = Length of joint (mtrs)	
W = Width of joint (mm)	
D = Depth of joint (mm)	

APPLICATION INSTRUCTIONS

Surface Preparation

The joint edges must be dry, clean, structurally sound, and free from oil, grease, dust and other barrier materials which would hinder the bond to the substrate.

Note: Use of polyethylene closed cell backer rod is recommended to ensure proper joint depth and prevent three sided adhesion. Masking tape may be fixed along the length of the joint to obtain neat lines. Ensure to remove the masking tape when the sealant is still soft.

Application

A conventional sealant application gun is required to facilitate easy and uniform application of SU 10. Cut open the sausage at one end and place it in the gun. Place the nozzle of the gun at the bottom of the joint and fill the entire joint. Continue with a steady flow of sealant to avoid air entrapment. The sealant surface should be tooled smooth using a spatula dipped in soap water to create a concave surface.

CLEANING

SU 10 can be removed from tools and equipment by using RTC 100 (or any solvent like toluene or xylene) immediately after use. Any hardened material will need to be removed mechanically.

STORAGE AND SHELF LIFE

SU 10 has a shelf life of 6 months if kept in a dry, clean store at temperature not exceeding 30°C in an unopened sausage. The product should be protected from frost, away from direct sunlight and sources of heat. Store product in a covered, well-ventilated warehouse and avoid excessive heat conditions.

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Storage in high heat, high humidity conditions may reduce shelf life by up to 30%

PRECAUTIONS

During application the following precautions should be observed: Always wear gloves and eye/face protection as necessary. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

DISPOSAL

Disposal of empty packaging should be in accordance with local waste disposal authority regulations. For further information please refer to the Material Safety Data Sheet.

CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.ce.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result there of.

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