

MAXX PU FLEX - G

Single Component Polyurethane Based Elastomeric Sealant



Description

MAXX PU FLEX is a one-component, medium-modulus polyurethane sealant that cures on exposure to atmospheric humidity. It possesses excellent adhesion to all typical construction materials such as cement based materials, brick, ceramic, glass, wood, galvanized and painted sheet iron and various plastics.

Uses

- MAXX PU FLEX can be used for heavy and light precast panel expansion joints, wood, aluminum and PVC joinery seams, and expansion joints in traditional construction.
- MAXX PU FLEX is highly recommended for bonding baked clay and concrete roof tiles.
- This sealant has a good adhesion without primer on other current materials: most lacquered metals, polyester, glass, stone, ceramic tiles.

Advantages

- Good adhesion
- High-bonding strength

Typical properties

- Possesses permanent elasticity
- No sagging – Thixotropic
- No surface tackiness after full cure. Do not pick up dirt
- No shrinkage
- Can be applied with hand gun and tooled easily
- Paintable
- Conforms to BS 6920 for the metallic water soluble impurities and is suitable for use in drinking water system

Direction for use

Substrates preparation : The substrates must be clean, even, dry, free of dust, oil, grease and any contaminants that could harm bonding. If the substrates need to be cleaned, use methylethylketone (MEK), acetone or grease remover. Apply a primer if necessary. Check the compatibility of the solvent used with the substrates. When using solvents, extinguish all sources of ignition and carefully follow the safety and handling instructions given by the manufacturer or supplier. If necessary, rub down metal surfaces beforehand. After rubbing down, the surface should be re-cleaned. Allow the substrate to dry after degreasing. We recommend cleaning concrete with a metal brush.

Caulking : MAXX PU FLEX may be applied by a manual or pneumatic gun. After application, use a putty knife to smooth the joint with soapy water. This product should be used within 24 hours of opening the cartridge protection; otherwise, the sealant could harden in the cartridge. Do not apply at a temperature under 5 °C. In cold weather, store the cartridges at 20 °C before use. Avoid any contact with non-cured MS, hybrid PU or silicone sealants as well as with alcohols or ammonia during curing.

MAXX PU FLEX - G

Single Component Polyurethane Based Elastomeric Sealant



Cleaning: Tools should be cleaned with MEK or acetone before the sealant has completely cured. After curing, abrasion is necessary.

Consumption (approx.)

Joint width	15mm	20mm	25mm	30mm	35mm
Joint Depth	8mm	10mm	12mm	15mm	15mm
Joint length /600ml	5 Meters	3 Meters	2 Meters	1.3 Meters	1.1 Meters

STORAGE AND SHELF LIFE

12 months if stored in its original package, away from direct sunlight and moisture, between +10 °C and +25 °C.

TECHNICAL PROPERTIES

BEFORE CURING

Basis	: Polyurethane
Consistency	: Thixotropic
Curing Mechanism	: Moisture Curing
Density	: 1,20±0,03 g/ml
Tack free time	: 60 ±10 min (23°C and 50% R.H)
Curing Rate	: Min. 2 mm/day (23°C and 50% R.H)
Sagging	: 0 mm (ENISO7390)
Temperature Resistance	: -40°C to +70°C
Application Temperature	: +5°C to +40°C

AFTER CURING

Hardness Shore A	: 40 ± 5 After 28 days (ISO 868)
Paintability	: Yes *
Elastic Recovery	: ≥ 70% (ISO 7389)
Movement Capability	: 25 %
Elongation at break	: min.120% (ISO8339)
E100 Modulus (23 °C)	: 0.30-0.40 N/mm2 (ISO8339)
E100 Modulus (-20 °C)	: ≤ 0,60 N/mm2 (ISO8339)
Elongation at break	: ≥%400 (ISO 37) Tensile Strength :2-2,5 N/mm2 (ISO 37)

GLOBE CONSTRUCTION CHEMICALS

An ISO 9001 : 2015 Company

Hiss No. 219, S.No. 55/2/2, Behind Prayaja City, Vadgaon Khurd, Pune – 411051

MOB : CC - +91 8888323846, Mail Id - globechemicals055@gmail.com

MAXX PU FIEX - G

Single Component Polyurethane Based Elastomeric Sealant



PACKAGING

- 600 ml sausages
- Available colour – White ,Grey & Black

STORAGE AND SHELF LIFE

12 months if stored in its original package, away from direct sunlight and moisture, between +10 °C and +25 °C.

Safety precautions

Not classified as hazardous. Read the material safety data sheet before use. The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions.

GLOBE CONSTRUCTION CHEMICALS

An ISO 9001 : 2015 Company

Hiss No. 219, S.No. 55/2/2, Behind Prayaja City, Vadgaon Khurd, Pune – 411051

MOB : CC - +91 8888323846, Mail Id - globechemicals055@gmail.com