



MAXX PU FLEX-G

Single Component Polyurethane Based
Elastomeric Sealant



ISO 9001:2015



Smart Cities & Green
Building Concept in India

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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 solutionable 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 compability of the solvent used with the substrates. When using solvents, exnguish all sources of ignion and carefully follow the safety and handling instrucons given by the manufacturer or supplier. If necessary, rub down metal surfacesbeforehand. Aer rubbing down, the surface should be recleaned. Allow the substrate to dry aer degreasing. We recommend cleaning concrete with a metal brush.

Caulking : MAXX PU FLEX may be applied by a manual or pneumac gun. Aer applicaon, use a puy knife to smooth the joint with soapy water. This product should be used within 24 hours of opening the cartridge protecon; 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

Cleaning: Tools should be cleaned with MEK or acetone before the sealant has completely cured. Aer 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 me : 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

Applicaon Temperature : +5°C to +40°C

AFTER CURING

Hardness Shore A : 40 ± 5 Aer 28 days (ISO 868)

Painbility : Yes *

Elasc Recovery : ≥ 70% (ISO 7389)

Movement Capability : 25 %

Elongaon 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)

Elongaon at break : ≥%400 (ISO 37) Tensile Strength :2-2,5 N/mm2 (ISO 37)

PACKAGING

600 ml sausages

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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 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

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