

# MEGASEAL JOINTSTRIP

## Two Part Highly Flexible Polyurethane Joint Strip

### Description:

MEGASEAL JOINTSTRIP is a two-part, elastomeric, high performance polyurethane joint sealing membrane strip. When cures it forms an elastic, strip with high mechanical strength, abrasion resistance, and with high extensibility to withstand long-term abuse and dynamic movement. It is used externally and internally to seal and caulk both moving and non-moving joints and can be applied on variety of surfaces.

MEGASEAL JOINTSTRIP is ideally used in sealing difficult joints corners and/or cracks in all types of watertight and retaining structures and can be applied both internally and externally to meet the specific project's requirements.

### Uses:

MEGASEAL JOINTSTRIP can be applied on many surfaces such as concrete, masonry, aluminium and used in different applications including:

- Car parking joints, control construction joints, expansion joints, isolation joints in floors and pavements.
- Joints in precast concrete, curtain walls.
- Industrial floors, warehouses and heavy duty areas with trucks or forklifts movements.
- Pharmaceutical and food processing plants.
- Concrete expansion and control joints.
- Manholes, around swimming pools and water features

### Advantages:

- Two component, chemically cured faster than most one-part sealants.
- Excellent weathering properties.
- Remains flexible at low temperatures.
- Elastomeric sealant absorbs 50% movement.
- High abrasion resistant.
- For external and internal applications.
- May be used as an adhesive between materials having different coefficients of thermal expansion.

- Can be used in totally submersible applications.

### Instructions for Use:

#### Surface Preparation:

Proper surface preparation is essential to grant a good bonding between the MEGASEAL JOINTSTRIP and the substrate. All the side surfaces of the joint must be dry, smooth, clean, free from dust, laitance or loose materials. To ensure proper cleaning, it is highly recommended to use compressed air or a wire brush in order to remove further dirt, oil stains and other inconsistencies.

On sound, clean, well prepared totally dry joint side surfaces, primer is not required. In case that primer is needed, use MEGAPRIME for porous surface and MEGAPRIME SP for non-porous surfaces. Apply the primer to both side of the joint up to the width of the strip. Apply a thin coat of primer as too much primer may act as bond breaker. Allow the primer to be tack free prior to application of the Joint strip.

#### Mixing:

MEGASEAL JOINTSTRIP is a two component system that must be mixed at the time of application. Mix the contents of component A (Base) with a low speed mixer for one minute to homogenize the content of the container. Slowly add the contents of part B (Hardener) to Part A (base) container while mixing in progress. Mix thoroughly the materials with low speed mixer (200-300 rpm) for an interval of 4 minutes confirming a homogenous mixture, color consistent, lump free mixture is reached. Scrape down sides as much as possible during mixing and avoid lifting mixing blade out of material to minimize entrapment of air.

#### Application:

Apply the mixed product by pouring from the pail directly into the joint area. Using a straight edge spatula, spread the mix in the direction of the joint as per the required width of the strip.

# MEGASEAL JOINTSTRIP

The selection of the appropriate width and thickness of MEGASEAL JOINTSTRIP membrane strip is dependent on the joint requirements and exposure:

- Strip thickness of 1 mm for low mechanical stress.
- Strip thickness of 2 mm for higher mechanical stress.

## Standards:

- ASTM C920, Type M, Grade P & NS.
- ASTM D395, D412, D2240, C157
- Federal Specification TT-S-00227E Type I & II, Class A
- Corps of Engineers CRD-C-506.

TECHNICAL PROPERTIES	
Color	Off White
Density	1.22 ± 0.03 kg/lit
Pot Life @ 25°C	60 minutes
Application Temperature	+5°C to +35°C
Cure Time	2 mm / 24 hrs
Compression Set (ASTM D395)	3%
Tensile Strength (ASTM D412)	>1 N/mm <sup>2</sup>
Elongation (ASTM D412)	300% Ultimate
Shore A Hardness (ASTM D2240)	35
Shrinkage (ASTM C157)	NIL
Movement Capability	50%
Chemical Resistant	Good
Service Temperature	-5°C to +80°C

\*Values indicated may vary depending on the environment and conditions of the material. Figures given are tested according to standard laboratory conditions.

## Consumption:

The approximate linear meter consumption per liter can be determined from the following formula

$$\text{Consumption per linear meter} = \frac{W \times D}{1,000}$$

W: strip width (mm), D: strip thick (mm)

## Packaging:

MEGASEAL JOINTSTRIP is available in 4 liter two parts metal containers kit.

## Storage Conditions:

Store in original packing in dry conditions away from direct sunlight. Temperature of storage area not to exceed 25°C.

## Shelf Life:

MEGASEAL JOINTSTRIP can be utilized within 12 months of production date if stored in proper conditions in an unopened original packing.

## Cleaning:

Clean tools immediately after application with ARMOSOLVENT before hardening. Hardened materials can only be removed mechanically.

## Health and Safety:

Avoid contact with eyes and skin. Wear suitable protective clothing such as coveralls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation. Do not breathe vapour or spray mist.

## FIRST AID:

- Eyes: In the event of accidental splashes, flush with warm water and seek medical advice.
- Skin: Wash skin thoroughly with soap and water
- Inhalation: Remove to fresh air, keep patient rested
- Ingestion: Do not induce vomiting. Seek immediate medical attention.

For further safety information, please refer to MEGASEAL JOINTSTRIP Material Safety Data Sheet.

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