

# MEGASEAL JOINTSTRIP

## Two Part Highly Flexible Polyurethane Joint Strip

### Description:

MEGASEAL JOINTSTRIP is a two part, elastomeric, high performance polyurethane joint sealing 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 waterlight 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, granite, marble 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 areas suffering 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  $\pm 50\%$  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 strip 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 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.

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.

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## Standards:

MEGASEAL JOINTSTRIP conforms to:

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

| TECHNICAL PROPERTIES             |                 |
|----------------------------------|-----------------|
| Color                            | : Off White     |
| Tensile Strength (ASTM D412)     | : 1 Mpa.S       |
| Movement Capability              | : 50%           |
| Pot Life @ 25°C                  | : 60 minutes    |
| Elongation (ASTM D412)           | : 300% Ultimate |
| Cure Time                        | : 2 mm / 24 hrs |
| Shore A Hardness<br>(ASTM D2240) | : 35            |
| Shrinkage                        | : NIL           |
| Compression Set (ASTM D395)      | : 3%            |
| Chemical Resistant               | : Good          |
| Service Temp.                    | : -5°C to +80°C |

## Cleaning:

Clean tools immediately after application with ARMOSOLVENT.

## Storage Conditions:

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

## Packaging:

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

## 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)

## Shelf Life:

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

## Health and Safety:

Use goggles and gloves during application. Do not breathe vapor of products. Use only in well ventilated areas. Avoid contact with eyes or skin.

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This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied.

