



# MEGA SWELL 650

ADVANCED PERFORMANCE HYDROPHILIC  
POLYMERIC SWELLING BAR

## DESCRIPTION

A polymeric water-swellaable bar for joints is called a MEGA SWELL 650.

Hydrophilic strips can expand by up to 3 times of their original size when in contact with water, producing a compression seal.

In order to prevent water from entering the structure through the protected junction, the waterstop expands to form a tight seal against the concrete joint's face.

## APPLICATIONS

Hydrophilic waterstops are easily installed by nailing or using a hydrophilic adhesive and can be applied against already-existing concrete. Hydrophilic strips respond when they come into contact with water and swell to create a compression seal.

Hydrophilic strips are suitable for installation in contraction and construction joints. MEGA SWELL 650 is used primarily for foundation walls slabs, slabs-on-grade, pre-cast wall panels, manholes, pipe connection, box culverts, wells, water tanks, basements, dams and all type of concrete joints.



## ADVANTAGES

- Easy jointing and application methods.
- Slow expansion rate during curing to avoid damaging recently placed concrete.
- Maintains its original form even after repeated contraction
- Active protection When in contact with water, MEGA SWELL 650 hydrophilic waterstop expands to provide strong compression joints.
- Long-term wet/dry cycling has little effect on the swelling properties.
- Maintain an effective seal in wet conditions.

## METHODOLOGY

MEGA SWELLING BAR can be installed either by suitable adhesive or mechanically by nails when using adhesive, extrude enough materials on a sound clean substrates and immediately fix firmly MEGA SWELLING BAR into adhesive.

Also MEGA SWELLING BAR can be fastened in place using masonry nails at approximately 300 mm centers. Care should be taken however to ensure that the substrate has sufficient strength to enable a mechanical fixing to be securely driven without damaging the MEGA SWELLING BAR.



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## TECHNICAL DATA

Color	Black, Blue or Red
Service temperature Range	-30 to 70°C
Shore A Hardness	40-50
Expansion Volume (fresh Water)	>200%
Hydrostatic pressure resistance	>50m (5 bars)
Size	5mm x 20mm / 10mm x 20mm

As an alternative, concrete can have a groove cast into it to make application easier. The MEGA SWELL 650 can be used in the majority of weather situations, although extended immersion in water or strong rain will induce premature swelling. If this happens, it must either be allowed to dry naturally or dried with a hot air cannon before concrete is poured.

### Health and safety

While being used normally, MEGA SWELLING BAR poses no known risks.

*In case of any query or technical assistance, please feel free to contact us on following numbers mentioned below. Our dedicated customer support team will be happy to assist you.*



**MEGA SWELLING BAR**  
HIGH PERFORMANCE HYDROPHILIC  
RUBBER SWELLING BAR

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