

## SOPRA HYPERSEAL

### Description

**SOPRA HYPERSEAL** is made of bentonite free high performance polymer modified chloroprene rubber strips. The swelling action is the result between water and hydrophilic groups which are part of the **SOPRA HYPERSEAL** molecular structure. Expansion of the waterstop creates a positive seal against the face of the concrete joint and prevents the water entry into the structure through the protected joint.

### Recommended Uses

**SOPRA HYPERSEAL** waterstop can be applied against existing concrete and are simply installed by nailing or using a hydrophilic adhesive. In contact with water, **SOPRA HYPERSEAL** strips react and swell to form a compression seal. Hydrophilic strips are suitable for installation in contraction on and construction joints. **SOPRA HYPERSEAL** is used primarily for foundation walls slabs, slabs-on-grade, pre-cast wall panels, manholes, pipe connections, box culverts, utility and wet wells, and potable water tanks.

### Features and benefits

- Active protection- hydrophilic waterstop swell in contact with water to form an effective compression joints.
- Simple application and jointing techniques.
- Slow expansion rate to prevent damage to freshly placed concrete during curing.
- Retains original shape after swelling and contraction.
- Swelling properties unaffected by long term wet/dry cycling.
- Sustains effective seal in wet conditions.

### Packaging

**SOPRA HYPERSEAL** is available in:

- 2005: 20 mm x 5 mm. (20 m x 10 rolls/box).
- 2010: 20 mm x 10 mm. (10 m x 10 rolls/box).

### Storage

**SOPRA HYPERSEAL** does not have a shelf life when stored in a dry place away from moisture.

### Product data

General Characteristic	Results
Appearance	Black, Blue or Beige
Service temperature	-30 to 70°C
Shore A Hardness	40-50
Expansion Volume (fresh water)	200-300%
Hydrostatic pressure resistance:	>50 m (5 bar)

Alternatively, a groove can be cast into concrete to facilitate application. **SOPRA HYPERSEAL** is suitable for use in most weather conditions, but heavy rain or prolonged immersion will cause premature swelling. Should this occur, it will be necessary to allow it to dry out, or be dried with a hot air gun before concrete pouring takes place. **SOPRA HYPERSEAL** should not be used in expansion joints, or any concrete section of less than 120 mm width.

### Application Instructions

**SOPRA HYPERSEAL** can be installed either by suitable adhesive using **SOPRA HYPERSEAL A** or mechanically by nails. When using **SOPRA HYPERSEAL A** adhesive, extrude enough materials on a sound clean substrate. Immediately fix firmly **SOPRA HYPERSEAL** into **SOPRA HYPERSEAL A** adhesive. Also **SOPRA HYPERSEAL** 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 **SOPRA HYPERSEAL**.

### Precautions

There are no known hazards associated with **SOPRA HYPERSEAL** during normal use. It should not be swallowed.