



## ***HS-WATERSTOP HDP SERIES***



## **DESCRIPTION**

HDP SERIES is high performance modified rubber strips. The swelling action is the result between water and hydrophilic groups which are part of the HDP SERIES 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

## **FEATURES**

- Active protection – HDP SERIES 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
- Retain original shape after repeated and contraction
- Swelling properties unaffected by long term wet/dry cycling
- Sustain effective seal in wet conditions

## **USE**

- Hydrophilic waterstop can be applied against existing concrete and are simply installed by nailing or using a hydrophilic adhesive. In contact with water, hydrophilic strips react and swell by up to 300% of their original dimensions to form a compression seal
- Hydrophilic strips are suitable for installation in low movement construction joints
- HDP SERIES is used primarily for foundation walls slabs, slabs-on-grade, precast wall panels, manholes, pipe connections, box culverts, utility and wet wells, and portable water tanks

## **INSTALLATION**

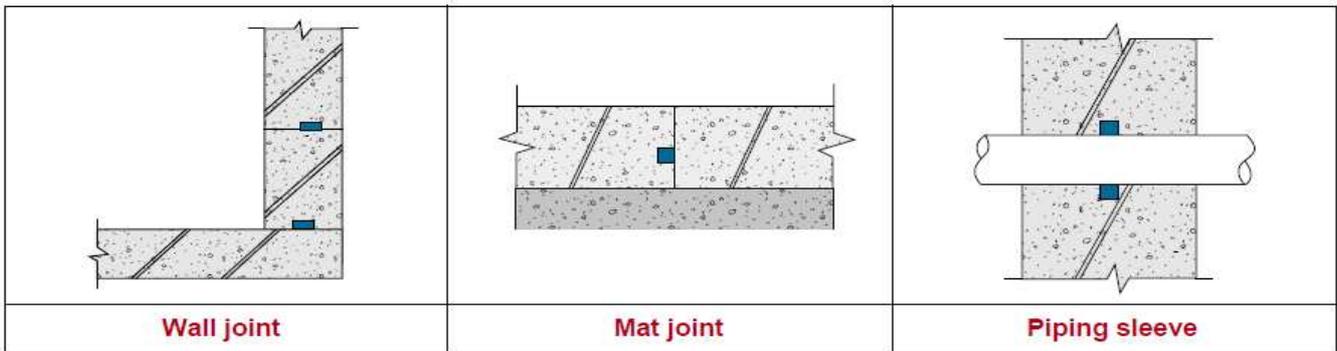
Where the substrate is uneven, HDP SERIES can be fastened in place using masonry nails at approx. 300mm centers. Ensure that the substrate has sufficient strength to enable a mechanical fixing to be securely driven. And be careful not to damage the HDP SERIES. Alternatively, a groove can be cast into concrete to facilitate application.

HDP SERIES is suitable to use in most weather conditions, but heavy rain or prolonged immersion will cause premature swelling. When it occurs, it will be necessary to allow HDP SERIES to dry out, or be dried with a hot air gun before concrete pouring takes place

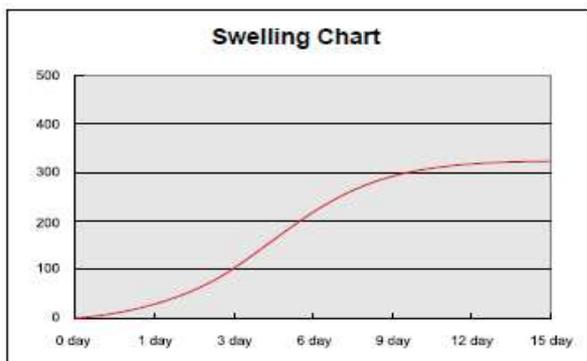
## TECHNICAL DATA

Test item	Test result	Test method
Service Temperature Range	-30°C to 50°C	KS M 6518
Shore A Hardness	50±10	
Tensile Strength	20kgf/cm <sup>2</sup>	
Elongation	450% above	
Expansion volume rate	200% above	
Color	Black	
Size	HDP-2005 : 20mm X 5mm (20m X 10 roll/box) HDP-2015 : 25mm X 6mm (9m X 10 roll/box) HDP-2010 : 20mm X 10mm (10m X 10 roll/box)	

## APPLICATION METHOD



## SWELLING CHART AND INSTALLATION





### **Contact information**

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