

Lambert® Swellable Waterstops

Hydroswelling waterstops for site formed concrete joints

Product description Lambert Swellable Waterstops is a hydrophilic rubbery strip to be installed in the center of construction joints. Primarily made from composite polymer, it expands itself when it absorbs water. By this swelling function it fills up the concrete joint and thus prevents water leakage.

Uses

- ❖ As a sealing tape for concrete segments which are used to make tunnel or shaft linings.
- ❖ Typical uses like secant piled and diaphragm walled basements, pile caps and casting against old concrete.
- ❖ Construction and cold joints where conventional waterstops are impractical to install since limited access.
- ❖ Around pipe penetrations.

Advantages

- ❖ Good elasticity can stand repeated jacking pressure with no damage and deterioration.
- ❖ Good recovery from deformation caused by pressure
- ❖ Lambert Swellable Waterstops is not deformed by contact with a vibrator during compacting concrete.
- ❖ Non-toxic and non-pollution when immersed in water thus.
- ❖ Tolerant of salt, cement or iron rust present in concrete and groundwater.
- ❖ Swelling properties not like traditional bentonite strip affected by long term wet/dry cycling.
- ❖ Sustains good seal even after swelling with water.
- ❖ An expansion delay coating has been treated on the Lambert Swellable Waterstops surface.

Physical Properties

Density	1200 kg/m ³
Color	Black
Volume change	~173%
Tensile Strength	≥2.5Mpa
Hydrostatic Pressure Resistance	50 metres
Application Temperature	-30°C to 50°C

Application

Ensure that the surface of the concrete is free from any dust, mud, laitance, water drops or other foreign materials.

Apply adhesive onto the cleaned surface where the Lambert Swellable Waterstops is to be stuck.

Stick the Lambert Swellable Waterstops on the surface immediately then and cut to attain desired length if required.

Softly hit all over the surface with wooden hammer to make sure firm bonding.

Care needs to be taken to prevent the concrete from exposing to rain by covering with a sheet after the Lambert Swellable Waterstops had been applied.

Supply

SW2010 in size: 10mm x 20mm ;

SW2520 in size: 20mm x 25mm

Packing: 10 meters per roll

Storage

Store in place where the waterstops will not be exposed to rain, moisture or sunlight. Otherwise the products will lose their effectiveness.

Precautions

There is no health hazard in normal use.

Notes

The information, and, in particular, the recommendations relating to the application and end use of Lambert products, are given in good faith based on Lambert's knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respects of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

Lambert Chemicals
www.lambertchemicals.com
info@lambertchemicals.com

Distributor:

AGENCIA COMERCIAL KIN CHEUNG
AVN. GOV. J. S. MARQUES NO. 253
R/C "AI" KIN HENG LONG PLAZA
MACAU
T : (853) 28424080
F : (853) 28424081
E : info@kincheung.com