



Hydraphilic SW

Flexible Strip of Hydraphilic Rubber Swell Stop

Description

When in contact with water, the Hydraphilic SW material will swell automatically, thus stopping water from seeping through the concrete joints.

Object

Hydraphilic SW may be used for new site joints or used at extension joints from existing old concrete work. May be used in all construction joints like plinth, girder, walls, floor, column, roof etc. Used at the joints of fabrication work for pre-cast pipes, tunnel, basement block, highway structure, etc.

Advantage

- Well swelling-safe for concrete environment
- Hydraphilic SW can be applied very easily and rapidly
- Installation costs lower compared with other conventional waterstop materials

Instruction for Use

- Positioning of Hydraphilic SW from exterior surface of joints should be at least 5 cm.
- Use concrete nail and adhesive to fix Hydraphilic SW in position before pouring concrete. Nailing should be 30-40 cm from each other.

- Do not pour concrete directly onto the installed Hydraphilic SW material which might displace it from position.
- As soon as the installation of Hydraphilic SW completed, concrete pouring shall be done to avoid possibility of water absorption by Hydraphilic SW in the case of raining or other source before concrete pouring.

Characteristic

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| • Coefficient of water penetration : | 3.1×10^{-9} |
| • Swelling coefficient in pure water : | 4.8 |
| • Water pressure resistance : | 6 ksc |
| • Elongation at break : | 700 % |
| • Tensile Strength : | 37 ksc |
| • Swelling Pressure developed in complete enclosure : | 8 ksc |

Packaging

1 cm. x 2 cm. x 500 cm.

Storage

Keep away from water and moisture. Material which has swelled due to accidentally coming in contact with water before concreting shall not be used and replaced by new material

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