



KANTA FLEX
TECHNOLOGY DECADE AHEAD



COMPOSITE PVC WATERSTOP WITH HYDROPHILIC STRIPS

Conventional PVC Waterstop provide a physical barrier to the passage of water through joints in concrete structures. They can, however, be difficult to install and depend on sensitive placement and good compaction of the concrete around them. In addition, concrete shrinkage away from the profile can leave a path for water ingress

Hydrophilic strips 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 / medium movement construction joints

Kantaflex composite PVC Waterstop with hydrophilic strips can be used for critical waterproofing applications, for dual protection of a physical and swellable barrier to water. These profiles are suitable for medium / large movement construction joints and can be placed externally or centrally to act as expansion joints.

PROPERTY OF HYDROPHILIC STRIP

- Specific Gravity : 1.5
- Tensile strength : 1.5Mpa
- Elongation : 500 %
- Durometer Hardness : 50 (HAD)
- Volume Change : 200 %
- Hydrophilic strips will swell upon contact with water or moisture and prevent leakage thus working as a perfect water stop. Excellent in durability, weather proof, and chemical resistance. It is not affected by water condition & water temperature. Easy installation at site.



PROPERTY OF PVC WATERSTOP

Before accelerated Extraction:

Tensile strength : 122.5 Kg/cm² (Min)

Elongation at break : 350% (Min)

Tear resistance : 19.25 Kg/cm² (Min)

Stiffness in flexure : 24.50 Kg/cm²

After accelerated Extraction:

Tensile strength : 105.0 Kg/cm²

Elongation at break : 250% (Min)

Effect of alkalis:

After 7 days

After 28 days

Weight increase

0.25% (Max)

0.40% (Max)

Weight decrease

0.10% (Max)

0.30% (Max)

Hardness change

+/- 5 points

No test

Dimension change

No test

+ 1%



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