

PVC Waterstop for Waterproofing

DESCRIPTION

TIKIPLAN WS 280 is manufactured from high grade PVC formulation to meet the highest performance standards and are designed for sealing Compartment System of PVC waterproofing membrane and are also available in different types of range, shapes and sizes to suit different uses, service requirement and exposure conditions.

TIKIPLAN WS 280 complies with US Corps. Of Engineers specification CRD-C-572 and BS:2571 (test method BS: 2782:320A), ASTM Standards and IS 15058: 2002.

ADVANTAGES

- Suitable for Thermal Welding in shop and outside.
- Flaps on end side for welding and/or fixing as appropriate.
- Compatible with all PVC waterproofing Geomembrane.
- Sustains effective seal in wet conditions.
- Retains its shape without splitting or cracking, even at maximum swelling. In addition, elastomeric properties are maintained at maximum swelling state.
- Does not contain bentonite.

USES

TIKIPLAN WS 280 is used for external construction joint / waterproofing in:

- Water / Waste Water Treatment Plants
- Lock and Dam Systems
- Reservoirs and Aqueducts
- Flood Walls
- Retaining Walls & Foundations
- Tunnels and Culverts
- Bridge Abutments
- Containment Structures and Tanks
- Slabs-on-Ground

APPLICATION INSTRUCTIONS

PVC Waterstop must be installed prior to concrete placement to ensure proper positioning and concrete consolidation around the waterstop. All transitions, intersections, and splices should be heat welded to maintain continuity. Factory Made Fabrications are recommended for all intersections and changes of direction. Specific installation requirements will vary depending on the style of profile.

APPLICATION DATA

Property	Test	Value
Tensile strength ISO R527	ASTM D638	≥ 12 N/mm ²
Ultimate elongation ISO R527	ASTM D638	≥300%
Specific gravity	ASTM D792	≤ 1.45
Hardness Shore A15	ASTM D2240	75 to 85
Water absorption	ASTM D570	≤ 0.15%
Tear resistance	ASTM D624	≥ 50 kN/m
Low temperature brittleness (COLD BLEND)	ASTM D746	No failure at - 25°C

SUPPLY

TIKIPLAN WS 280 strips is supplied in 6m length.

- External Total Width: 280 mm ± 5mm
- Base Plate Thickness : 3 mm minimum
- No. of Anchoring Ribs: 4
- Height og anchoring ribs 25mm minimum, (excluding base plate).
- Color: Blue or as per customer requirements.

STORAGE

TIKIPLAN WS 280 must be stored above 5°C. Store under the shed & protect from extremes of temperature, heat, and direct sunlight.

VERSION: R3, 202002

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