SUPREME PVC WATER STOPPER [PC-1114]

PRODUCT DESCRIPTION :-

Supreme Water Stopper are flexible Plastic strips which provide a physical barrier to Water at concrete joints, mostly in basements, Water retaining structures like Water tanks, Swimming pools, structural foundations & other below ground level constructions. Water stoppers are also termed as Water Bars, seals construction joints. A typical water stopper has two identical half on both side of a central bulb. These additional extensions are provided with the aim of increasing path length for water entering behind the edge of water stop.

Water stopper are manufactured from Anti-Ageing customized plastic compound with PVC as a base polymer and exhibiting required properties like High Elasticity & Tensile Strength, Immune to Corrosion, Excellent weather resistant, Unaffected by acids, alkalis, metals salts and other chemicals, Lower water absorption, Withstand high Hydrostatic pressure, Can bear shocks of heavy turbines, Earth quakes & Floods.

APPLICATION IN CONSTRUCTION INDUSTRY :-

- PVC Water Stoppers act as sealant at RCC Masonry concrete joints & prevent any seepage of water in or out though joints.
- PVC Water stoppers withstand expansion or contraction movement at joints and take care of any deflection or displacement arising due to change in temperature, differential settlement of foundation, Geo disturbances causing Seismic forces like earth quack, thus eliminating danger of cracks.

SELECTION OF APPROPRIATE WATER STOPPER :-

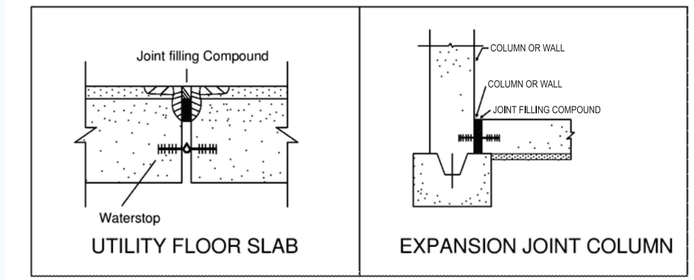
- **Ribbed Type-** multipurpose Water Stopper design, used where differential settlement of poured concrete is expected and a firm grip in concrete is desired.
- **Dumbbell Type-** Greater variation in temperature causes expansion or contraction of joints, Dumbbell type Water Stopper is suggested for these sites.
- **Kicker (Surface) Type:** these are externally placed and are use where embedded types cannot be used due to interference of steel reinforcement.

INSTALLATION PROCEDURE :-

- Water Stopper is tied to steel frame works or small eyelet by means of small wires (same being depicted in the adjacent figure), certain metal clamps meant to grip the water stop seal and keep it in proper position.
- Firstly one half of the Water Stopper is embedded in the concrete leaving the second half extended. Second half is also embedded leaving the centre bulb free for expansion and contraction movements.

AREA OF APPLICATION :-

- **Public Utilities :** Bridges, Road Embankments, Tunnels, Water Tanks, Swimming Pools, Water Filtration plants, Swage Plants, Clarifiers, Dams, Canals, Aqueducts, Reservoirs, Irrigation Projects Cooling Towers.



- **Building:** Basements, Foundations Slabs, Masonry Joints, Terraces, Retaining Walls, Overhead & Underground Water Tanks, Skyscraper.
- **Industries:** Chemical Plants, Fertilizer Steel, Waste Treatment Plants, Thermal & Hydro Power Stations, Atomic Reactors, Shipyards & Docks.

PRECAUTIONS DURING WATER STOPPER INSTALLATION :-

- They are vulnerable to get damaged during construction.
- Compaction of concrete around Water Stopper should be taken care otherwise it can dislocate & could lead to a risk of honeycomb formation which may lead to leakage through concrete itself rather than through joint.

Technical Specification of Supreme PVC Water Stop Seal

CHARACTERS	UNIT	SPECIFICATION
Tensile Strength	Mpa	13.8 Min.
Elongation at Break	%	285 Min.
Hardness	Shore - A	65 Min.
Water Absorption	%	00.6 Max.
Cold Resistance (at 25°C)	Visual	No Crack
Accelerated Extraction Test		
Tensile Strength	Mpa	10.3 Min.
Elongation at Break	%	280 Min.
Stability in Effect of Alkalies Test		
Weight increase at 7 days	%	0.25 Max.
Weight decrease at 7 days	%	0.10 Max.
Change in hardness at 7 days	Shore - A	+-5
Weight increase at 28 days	%	0.40 Max.
Weight decrease at 28 days	%	0.30 Max.
Dimension Change	%	+-1

Our products are well tested and supported with test report of Government Recognized Laboratories. You are requested to send your valuable enquiries to our below addresses.

SUPREME STARTECH PVT. LTD. SUPREME

REGD. OFFICE:
SUPREME STARTECH PVT. LTD.
Block No.13/14, Sevasadan
Building Central Avenue,
Nagpur 400 018 India.
Ph.: 0712-2777833
Mob.: +919403334000
Email: customercare@supremestartech.com

WORKS :
Plot no. C 240/1, Butibori
Industrial Area.
Nagpur-22
Email: works@supremestartech.com

PUNE OFFICE :
401, West Wing, Aurora Towers,
M. G. Road, Pune 411001.
M. No.: +919404094000.
punetso@supremestartech.com

CORPORATE OFFICE
Supreme Towers, plot no 18/2,
Behind VRCE Exchange,
Parsodi, Nagpur.