KANTAFLEX
PVC WATERSPOTS & PROFILES

PVC
HANDRAILS

EXPANSION CONTRACTION CONSTRUCTION JOINTS

PVC
CRACK INDUCING
JOINT

DESCRIPTION :

PVC Waterstops are profile based on specifically formulated plasticized PVC Composition. Water Stops are used in concrete masonary construction of hydraulic structure to safeguard from hydrostatic pressure & water seepage. Waterstop also withstand expansion or construction of joints and take care of any deflection or displacement arising due to change in temperature or settlement of foundation eliminating danger of cracks. These are engineered as Water Tight Seals in poured concrete structures. The Waterstops are tested in Factory as per ASTM & manufactured to meet the performance requirement of IS 15058/2002.

PACKING : It is supplied in the Coil form in Bundles of 25 Meter to 50 Meters depending on the Size.

APPLICATIONS :

PUBLIC UTILITIES : Bridges Road Embankments, Concrete Roads, Tunnels, Water tanks, Swimming Pools, Municipal Hydraulic Projects, Water Filtration Plants, Sewage Plant, Clarifiers, Sewage Disposal Systems, Neutralisation tanks.

BUILDINGS : Basements & Foundation Floor-Slab, Terrace, Concrete Runways, Retaining Walls, Over head & Underground Water Tanks, Multistoried Buildings.

INDUSTRIES : Fertiliser, Steel, Effluent Treatment plants, Thermal Power Stations, Atomic Reactors, Shipyards & Docks, Cooling Towers.

AGRICULTURE : Dam, Canals, Aqueducts, Large Reservoirs, Irrigation Projects.

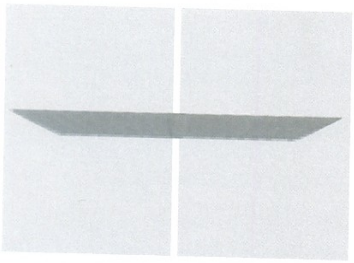
PROPERTIES :

Good ageing & Longer Life, High Mechanical Strength, Immune to Corrosion, High Elasticity & Stretch Strength, Optimum Resilience, Effective in Tropical climate, Easy Wielding & Installation., Lower Water Absorption than Rubber, Non Hazardous & Fire retardant, Unaffected by acid, alkalies, metal Salt & other chemicals, High Tensile Strength, Can bear Shocks of Heavy Turbines, Earth Quakes, Floods, Work as Water Tight Seal, Allows safe passage of Seepage Water, Withstands high Hydrostatic pressure.

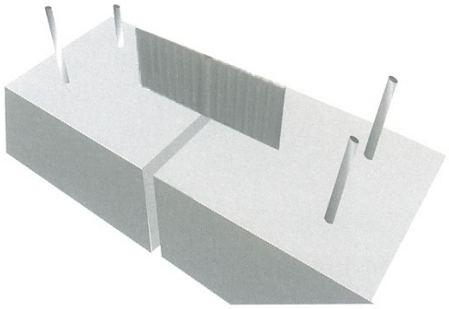
SELECTION OF THE WATER STOP

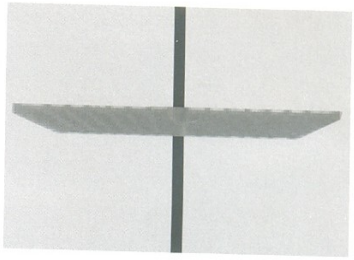
- Selection of Waterstop depends upon hydrostatic pressure or safe passage of seepage water.
- Dumb Bell type to be used for substantial expansion/contraction of joints takes place.
- Serrated type to be used for differential settlement & firm grip in concrete is required.
- Overall width of waterstops shall not be greater than thickness of concrete.
- Distance between the concrete face and Waterstop shall be not less than half of the width of Waterstop.
- Width of the Waterstop shall be at least 6 times the aggregate used for satisfactory compaction.

TYPICAL APPLICATIONS



Internal Contraction Joint





Internal Expansion Joint

INSTALLATION

- One half of the Waterstop is embedded in the concrete leaving the second half extended.
- Than second half is also embedded leaving the centre bulb free for expansion & contraction.
- Care should be taken in pouring concrete without misaligning the Water Stop.
- It can be fused by heater plate at the Joint by melting with care.