OVERHEAD TANKS &
HYDRAULIC STRUCTURES

WATER /SEWAGE
TREATMENT PLANTS

DAMS & RESERVOIRS

BRIDGES

FIXO-SEAL

STOPPERS & PROFILES

MANUFACTURERS:
PVC WATER STOPPERS,
NCL/NCT FOR CANALS,
PVC PIPES &
ALL KINDS OF PVC EXTRUSIONS

FIXO-SEAL STOPPERS & PROFILES

**Address: # 5-5-105/10 & 11, First Floor, Arora Complex,
Ranigunj, Secunderabad - 500003.**

Email ID: rsarorarub@yahoo.com

040 - 40201230, 27713030, 9848262500, 9393322500/600

A Sister Concern of RS Arora Rubber Corporation

FIXO-SEAL PVC WATER STOPPER

PVC Waterstops are profiles based on specially formulated plasticised PVC compositoin. Waterstops are used in concrete masonary construction of hydraulic structures to safeguard from hydrostatic pressure and water seepage. Waterstops also withstand expansion or contraction 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.

SELECTION CRITERIA

Selection of the Waterstop depends upon the hydrostatic pressure or safe passage of seepage water. Where substantial expansion/contraction of joint takes place. Dumb Bells type should be used. In case differential settlement is expected and a firm grip in concrete is desired, serrated types should be used. Moreover, following points should also he noted while selecting PVC Waterstops.

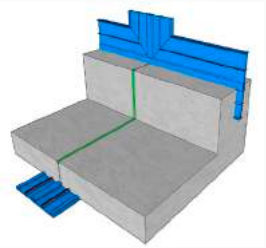
1. The overll width of the Waterstop should not be greater than the thickness of the concrete.
2. The distance from the face of the concrete to the Waterstop must not be less than half the width of the waterstop.
3. The width of the waterstop must be atleast 6 times the largest aggregate used for statisfactory compaction.

TYPE	RAGE OF PVC WATERSTOPS DESIGN	NOMINAL WIDTH (MM)	THICKNESS (MM)	Recommended Hydrostatic Pressure in Meter of Water
FS-1		150	8-11	38
FS-2		150	4-5	30
FS-3		225	8-11	50
FS-4		225	4-5	32
FS-5		305	9.5 - 12	58
FS-6		180	8-11	38
FS-7		240	6-9	54

Color: (Standard) Black/White length in 25 meters or as desired colour & length.
note: We can manufacture any design of PVC Stopper as per requirement.

INSTALLATION & JOINTING

Firstly one half of the waterstop is embedded in the concrete leaving the second half extended. Second half is also embedded leaving the centre bulb free from expansion and contraction. Care should be exercised in pouring concrete without misaligning the waterstop. Following joints may be fabricated by means of simple tools and heat fusion/welding.



VIEW OF PVC STOPPER LAYING IN CONCRETE

PROPERTIES

- Optimum resilience.
- High Elasticity & Stretch Strength.
- Immune to Corrosion
- Excellent weather resistant.
- Effective in tropical climates.
- High Mechanical Strength
- Good ageing & longer life
- Unaffected by acids, alkalies, metals salts and other chemicals.
- Non-hazardous and Fire retardent.
- Lower water absorption than
- Easy welding & installtion.
- Withstand high Hydrostatic pressure.
- Works as Water tight Seal.
- Allows safe passage of seepage water.
- High Tensile Strength
- Can bear shocks of heavy turbines, Earth quakes, Floods.

APPLICATIONS

Public Utilities: Bridges, Road Embankments, Concrete Roads, Tunnels, Water Tanks, Swimming Pools, Municipal Hydraulic Projects, Clarifies, Sewage Disposal Systems Neutralization Tanks.
Buildings: Basement Foundations Floor Slabs, Terrace, Concrete Runways, Retaining Walls, Overhead Undergrounds Water Tanks, Multi Storeyed Buildings.
Industries: Fertilizer, Steel Effluent Treatment Plants, Thermal Power Stations, Atomic Reactors, Shipyards Docks, Cooling Towers.
Agriculture: Dams, Canals, Aqueducts, Large Reservations, Irrigation Project.

The Above data are based on test which are believed to be reliable.
We do not owe any responsibility for process not in our control.