

HYDROSTOP is a hydrophilic, 100% expansive rubber waterstop for the sealing of concrete construction, concrete-steel joints and underground precast elements. HYDROSTOP is standard delivered with a swell retardant coating. Free swelling: 250%.

HOW DOES HYDROSTOP WORK?

Concrete construction joints can show fine cracks or cavities during the natural curing process. This could cause water to infiltrate into the concrete. In contact with water, HYDROSTOP swell joints will swell up to 250% of its initial volume and make the construction waterproof. Also cavities and fine cracks are efficiently sealed. HYDROSTOP is glued with HYDROSTOP ADHESIVE polyurethane glue for levelling and gluing purposes.

CHARACTERISTICS AND BENEFITS

- Reversible expansive properties in contact with fresh and salt water.
- Safe and easy installation with nails (25 cm interval) or PURSTOP adhesive glue.
- High flexibility and swelling capacity ensure absorption of movement in the construction.
- Good chemical resistance.

APPLICATION PRESCRIPTIONS

The HYDROSTOP system functions efficaciously when the application instructions are observed. Make sure the concrete is dry, smooth and free of dust or any other contaminants. Glue HYDROSTOP with HYDROSTOP ADHESIVE polyurethane glue in the middle of the construction joint observing a free space of about 6 cm at both sides of the inner and outer rebars to absorb pressure during swelling. Or alternatively nail HYDROSTOP with 25cm intervals. Do not install in overlap but by simply butting together the roll ends. Though HYDROSTOP is supplied with a water retardant coating, it is recommended not to install the system during heavy rainfall to avoid premature swelling before pouring the vertical concrete walls.

CONSUMPTION

Calculate the quantity necessary in function of the lengths of the construction joints. Make sure the two ends of a roll meet nicely.

TECHNICAL DATA

Density (ASTM D 792)	1,4 kg/dm ³
Swelling (ASTM D 471)	250% of the initial volume
Tensile strength (ASTM D 412)	1,2 MPa
Elongation (ASTM D 412)	525 %
Hardness (ASTM D 2240)	50 shore D
Expansion in salt water with 5 % NaCl in room temperature	210 % after 15 days 225 % after 30 days
Installation temperature	Between -15°C to 50°C
Install with polyurethane glue HYDROSTOP ADHESIVE for levelling and gluing purposes	

CHEMICAL RESISTANCE

Test	Result
ASTM D 1308 & ASTM 3912	
Diesel/gasoline <25% + water	No visual effect
Break fluid <25% + water	No visual effect
Hydraulic oil <25% + water	No visual effect
Engine oil <25% + water	No visual effect

PACKAGING

HYDROSTOP is supplied standard as follows:

- Colour: black colour with a water retardant coating.
- Dimensions: 20 x 10 mm; 20 x 5 mm
- 20 x 10 mm: 25 meter rolls
- 20 x 5 mm: 50 meter rolls
- Boxes:
 - 20 x 10 mm: 50 lm / box / 4000 lm / pallet
 - 20 x 5 mm: 100 lm / box / 8000 lm / pallet
- HYDROSTOP ADHESIVE: cartridges of 310 ml.

HYDROSTOP can be supplied under private label.

STORAGE

Store in a cool and dry place, on pallets in the original packing. Shelf life is minimum 1 year.