

HYDROSTOP PLUS is a hydrophilic, 100% expansive rubber waterstop for the sealing of concrete construction, concrete-steel joints and underground precast elements. HYDROSTOP PLUS is standard delivered with a swell retardant coating. Free swelling: 280 - 360%.

## HOW DOES HYDROSTOP PLUS 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 PLUS swell joints will swell up to 360 % of its initial volume and make the construction waterproof. Also cavities and fine cracks are efficiently sealed. HYDROSTOP PLUS is glued with HYDROSTOP ADHESIVE polyurethane glue for levelling and gluing purposes.

## DESCRIPTION

- Hydrophilic sealing profile based on EPDM rubber compound
- Chemical composition: containing hydrophilic swellable resins
- High swelling and expansion when coming in contact with water
- Different types and dimensions available acc. to order/request
- Uses: sealing applications in civil engineering and tunnelling
- Colour: blue (other colours available upon request)

## CHARACTERISTICS AND BENEFITS

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

## APPLICATION PRESCRIPTIONS

The HYDROSTOP PLUS 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 PLUS 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 PLUS with 25cm intervals. Do not install in overlap but by simply butting together the roll ends. Though HYDROSTOP PLUS 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

General properties		
Specific density	1.130 g/cm <sup>3</sup>	ISO 2781
Hardness	60 ±5 shore A	ISO 868
Tensile strength	5.2 N/mm <sup>2</sup>	ISO 37
Elongation at break	635 %	ISO 37

Results of swelling measurements & water absorption	
Exposure and test conditions	Volume increase %
168 h (7 days) in tap water , at 23°C	280 - 360
Weight change after wet-dry cycle (28 days immersion and subsequent drying)	-0.5

## PACKAGING

HYDROSTOP PLUS is supplied standard as follows:

- Colour: blue
- Dimensions: 20 x 10 mm
- 1 roll = 25 meters
- 1 box = 4 x 25 meters
- 1 pallet = 24 boxes = 2.400 meters

HYDROSTOP PLUS can be supplied under private label.

## STORAGE

Store in a cool and dry place, on pallets in the original packing. Shelf life is minimum 2 years.