

Waterstop HE

High Elongation Flexible PVC Water Stop for Construction and Expansion Joints

Description	Flexible PVC (Thermoplastic) Water Stop HE with high elongation capabilities to seal construction and expansion joints in concrete structures. Water Stop HE are available in different sizes and area selections, depending on their use Water Stop HE is complying with ASTM D-412, D-746, and B.S.2571
Where to use	Water Stop HE is used in concrete for sealing of contraction, construction and expansion joints, the material can be placed based on the existing water bar in water structures such as: <ul style="list-style-type: none"> • Dams • Reservoirs • Artificial canals • Swimming pools • Retaining walls • Basements • Underground garages • Tunnels
Advantages	<ul style="list-style-type: none"> • Excellent fine type of PVC • Easy to apply and weld on the site • Resistant to high water pressure • Available in different types and dimensions
Properties	
Type	PVC
Color	Blue
Specific gravity	1.3
% elongation at break	410 - 445%
Service temp.	-35 °C – +65 °C
Tensile Strength	13 – 14.5 N/mm ²
Hardness Shore A	70 – 80
Water Absorption	0.1 - 0.15 %
Water Pressure	Up to 50 m
Application	<ul style="list-style-type: none"> • Water Stop HE are made from fine thermoplastic PVC and can therefore be welded • The ends are heated with welding equipment until the PVC gets plastic and then immediately pressed together • Pro-Water Stops HE are allowing easy on-site welding, including the prefabrication of cross, T, L, and corner pieces • A wide range of standardized junction pieces are available • All have a 30 cm free leg, allowing easy site welding to Prokem water bars • In case non-standardized junction pieces are required, a drawing must be provided, giving exact details of angles
Packaging	Rolls at 15 and 30 Lm

Types & Dimensions of Waterstop						
	Illustration	Description	Type	Width cm	Roll Length m	Nominal thickness mm $\pm 10\%$
For Construction Joints		<ul style="list-style-type: none"> Centrally placed Waterstop. Installed in the center of concrete structure. Designed for easy anchoring to reinforcement with special fixing clips 	V20	20	30	3 mm 4 mm 5 mm 6 mm
			V24	24	30	3 mm 4 mm 5 mm 6 mm & 6/4 mm 8 mm 10 mm & 10/8 mm
			V30	30	20	3 mm 4 mm 5 mm 6 mm 7 mm 10 mm & 10/6 mm
			V32	32	20	4 mm 5 mm 10 mm
For Expansion Joints		<ul style="list-style-type: none"> Maximum 20 mm expansion and 10 mm Shear movement 	O20	20	15	3 mm 4 mm 5 mm 6 mm
			O24	24	15	3 mm 4 mm 5 mm 6 mm 7 mm 10 mm
			O32	32	15	4 mm 5 mm 6 mm 7 mm 10 mm
Surface Waterstop		<ul style="list-style-type: none"> Installation on the surface of concrete structures 	AR	26	15	4 mm 5 mm 10 mm
			DR	26	15	4 mm 5 mm 10 mm

- It can be manufactured in thickness from 3mm – 10mm
- Ask about the Light (L) version
- Junction pieces' shade (T & TL) all produced in 24 cm upon request

Shelf life & Storage	Open shelf life as long as it is stored away from heat and fires sources
Health and Safety	<ul style="list-style-type: none">• Use gloves when handling dry powder• Do not breathe dust• Use a particle mask• Eye contamination must be washed immediately with clean water
Additional Information	<p>PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure</p> <p>PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction</p> <p>PROKEM reserves the right to change the properties of its products</p> <p>All orders are accepted subject to our current term of sale & delivery</p> <p>Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request</p> <p>PROKEM extends technical services to include after-sales support to assist users in the proper handling of our products</p>