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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: • Dams • Reservoirs • Artificial canals • Swimming pools • Retaining walls • Basements • Underground garages • Tunnels	
Advantages	• 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 %	425 - 460%	ASTM D412
Service temperature	-35 °C – +65 °C	
Tensile Strength	14 – 15 N/mm^2	ASTM D412
Hardness Shore A	70 – 80	
Water Absorption	0.1 - 0.15 %	
Water Pressure	Up to 50 m	
Application	• **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	

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Types & Dimensions of Waterstop

	Illustration	Description	Type	Width cm	Roll Length m	Nominal thickness mm ±10%
For Construction Joints		• 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		• 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		• 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

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Shelf life & Storage	Open shelf life as long as it is stored away from heat and fires sources
Health and Safety	• 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	**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 **PROKEM** designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction **PROKEM** reserves the right to change the properties of its products All orders are accepted subject to our current term of sale & delivery 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 **PROKEM** extends technical services to include after-sales support to assist users in the proper handling of our products