EMPRO®PVC WS N Technical Data Sheet

PVC Joint Sealing Profiles

Product Description	**EMPRO®PVC WS N** – Flexible Waterstop profiles extruded from high grade of Polyvinyl Chloride (PVC) serve to isolate from dampness, moisture and water under pressure and without deformation and technological joints of concreting, in reinforced concrete structures, underground and buried structures under the influence of surface groundwater or sewage.
Uses	**EMPRO®PVC WS N** are used to seal construction and expansion joints in water retaining structures which subjected to hydrostatic pressure such as reservoirs, water towers, dams, canals, swimming pools sewage tanks etc. in addition to keep water out of concrete structures such as basements, underground car parks, tunnels, subways, retaining walls etc.
Advantages	• High quality PVC for long durability. • Suitable for high water pressure. • Easy to weld on site. • Reinforced eyeleted edge flanges for positive fixing. • Good chemical resistance. • Can be used in hot and cold climates. • Suitable for potable water usage. • Many different sizes, types and factory fabricated intersection are available on request.
Tests Standards/Approvals	**EMPRO®PVC WS N** have been tested in accordance with: BS 2782, ASTM D 2240 and ГОСТ 11262-80.
Product Data	Form and color : Blue extruded PVC preformed profiles. Packaging: 12, 15 LM rolls.
Technical Properties	All EMPRO PVC Waterstops are specially formulated and manufactured to meet or exceed the industry's standard specifications.

Designation	Procedure	Value
Tensile Strength	BS 2782 Part 3 – 1976 Method 320 A	>10*N/mm²
Elongation at Break	BS 2782 Part 3 – 1976 Method 320 A	>250%
Shore A Hardness	ASTM D2240	80±2
Stabilization	*	Lead Free
Water Absorption	ASTM 570	0.06%
Specific Gravity	ASTM D 792	~ 1.54

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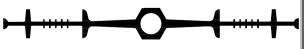
Types

Uses			Type	Width cm	Roll length LM	Min. Thickness mm (±10%)
Construction Joints		Centrally Placed Waterstop 	IC-150 N	15	15	4.0
			IC-200 N	20	15	6.0
			IC-250 N	25	12	5.0
			IC-330 N	33	12	4.0
Expansion Joints			IE-150 N	15	15	4.0
			IE-200 N	20	15	6.0
			IE-250 N	25	12	5.0
			IE-330 N	33	12	4.0
Construction Joints		Externally Placed Waterstop 	EC-150 N	15	15	4.0
			EC-200 N	20	15	4.0
			EC-250 N	25	12	4.0
			EC-330 N	33	12	4.0
Expansion Joints			EE-150 N	15	15	4.0
			EE-200 N	20	15	4.0
			EE-250 N	25	12	4.0
			EE-330 N	33	12	4.0

Storage

Storage Conditions store the material in a cool and shaded area, protect from UV and high temperatures. Prolonged exposure to sunlight and harsh environment will result in deterioration of the product.

Keep away from sharp edges to prevent damage.

Shelf Life 12 months from date of production if stored properly in undamaged and unopened original sealed packaging.

Health and safety

Hot weld site jointing of PVC Waterstops results in the liberation of hydrogen chloride mist and vapor. The OEL (operational exposure limit) of 5 ppm can be exceeded in still air confined spaces, therefore forced ventilation must be provided or a suitable respirator used.

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