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	• Environmentally friendly - lead-free formulation. • High quality compounded PVC for long durability and integrity. • Ability to withstand high hydrostatic head pressure: up to 100m (10 bar) • Full Range of factory made intersection pieces. • 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 use in contact with potable water. • Many different sizes, types, color, and fabricated intersections are available on request. • Movement capability: up to 40 mm
Tests Standards/Approvals	**EMPRO®PVC WS N** has been tested in accordance with: BS 2782, ASTM D638, ASTM D2240, ASTM 570, ASTM D792, DIN18541, ISO527 and ГОСТ (GOST) 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 conform or exceed to all major international standards.

Designation	Procedure	Value
Tensile Strength	ASTM D638, DIN 53455, BS 2782 Part 3 – 1976 Method 320 A	>10*N/mm²
Elongation at Break	ASTM D638, DIN 53455, BS 2782 Part 3 – 1976 Method 320 A	>250%
Shore A Hardness	DIN 53505, ASTM D2240, ISO 868	80 ± 2
Stabilization	*	Lead Free
Water Absorption	ASTM 570, ISO 62	0.06%
Specific Gravity	ASTM D 792, ISO 1183	1.54± 0.02

*All values given are subject to 5 -10% tolerance.

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Types

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

-Heavy Duty 10 mm waterstop profiles available in product range.

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 36 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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