PVC Water Stopper

PVC Joint Sealing Profiles

DESCRIPTION

PVC Water Stopper consists of flexible profiles extruded from high-grade polyvinyl chloride (PVC). It provides protection against dampness, moisture, and pressurized water at construction and expansion joints in reinforced concrete, underground, and buried structures exposed to groundwater or sewage.



ADVANTAGES

- Environmentally friendly, lead-free formulation.
- High-quality compounded PVC for durability and integrity.
- Withstands high hydrostatic head pressure.
- Factory-made intersection pieces available.
- Easy to weld on-site.
- Reinforced eyeleted edge flanges for secure fixing.
- Good chemical resistance.
- Suitable for hot and cold climates.
- Suitable for contact with potable water.
- Various sizes, types, colors, and fabricated intersections available on request.

USES

- Sealing construction and expansion joints in water-retaining structures subjected to hydrostatic pressure, including reservoirs, water towers, dams, canals, swimming pools, and sewage tanks.
- Preventing water ingress into basements, underground car parks, tunnels, subways, retaining walls, and similar concrete structures.

TEST STANDARDS AND APPROVALS

Property	Details
Form	Extruded, preformed PVC profiles
Colors	Blue, yellow, and black
Packaging	Rolls of 15, 20, or 25 linear metres

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TECHNICAL PROPERTIES

PVC Water Stopper profiles are specially formulated and manufactured to meet or exceed industry-standard specifications.

Property	Test Procedure	Value
Tensile strength	DIN 53455 / BS 2782 Part 3–1976, Method 320 A	> 10 N/mm²
Elongation at break	DIN 53455 / BS 2782 Part 3–1976, Method 320 A	> 250%
Shore A hardness	DIN 53505 / ASTM D2240	80 ± 2
Stabilization	—	Lead-free
Water absorption	ASTM 570	0.0006
Specific gravity	ASTM D792	1.54 ± 0.02

All values are subject to a 5–10% tolerance.

STORAGE

Store in a cool, shaded area, protected from UV radiation and high temperatures. Prolonged exposure to sunlight and harsh conditions can cause deterioration. Keep away from sharp edges to prevent damage.

Shelf life is 36 months from production when stored correctly in undamaged, unopened, original sealed packaging.

HEALTH AND SAFETY

Hot-weld joining releases hydrogen chloride mist and vapor. The stated occupational exposure limit of 5 ppm may be exceeded in enclosed spaces with still air. Provide forced ventilation or use a suitable respirator.

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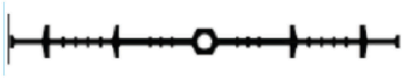
TYPES AND DIMENSIONS

Profile / Application	Type	Width (cm)	Roll Length (m)	Nominal Thickness (mm), ±10%
Central Construction joints 	ICJ–150 N	15	15 / 20 / 25	4
	ICJ–200 N	20	15 / 20 / 25	4
	ICJ–250 N	25	15 / 20 / 25	4
	ICJ–330 N	33	15 / 20 / 25	6
Central Expansion joints 	IEJ–150 N	15	15 / 20 / 25	4
	IEJ–200 N	20	15 / 20 / 25	4
	IEJ–250 N	25	15 / 20 / 25	4
	IEJ–330 N	33	15 / 20 / 25	6
External Construction joints 	ECJ–150 N	15	15 / 20 / 25	4
	ECJ–200 N	20	15 / 20 / 25	4
	ECJ–250 N	25	15 / 20 / 25	4
	ECJ–330 N	33	15 / 20 / 25	4
External Expansion joints 	EEJ–150 N	15	15 / 20 / 25	4
	EEJ–200 N	20	15 / 20 / 25	4
	EEJ–250 N	25	15 / 20 / 25	4
	EEJ–330 N	33	15 / 20 / 25	4

DISCLAIMER

The information is based on development work and field experience. Although every effort is made to ensure reliability, responsibility cannot be accepted for work carried out using the material, as application methods, site conditions, and other factors are beyond the supplier's control.

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