

FUERZA HIDROSTOP

FLEXIBLE PVC WATER STOPPER

FUERZA HIDROSTOP is a **flexible PVC waterstop system** engineered to provide reliable, watertight sealing of **construction and expansion joints** in reinforced and mass concrete structures. It is available in **multiple profiles and configurations**, each specifically designed to accommodate varying joint conditions and application requirements.

APPLICATION AREAS

- Sealing **construction and expansion joints** in water-retaining concrete structures.
- Suitable for **reservoirs, water towers, dams, spillways, canals, and swimming pools**.
- Applicable to **sewerage and wastewater treatment tanks** requiring watertight joint protection.
- Preventing water ingress into **basements and underground car parks**.
- Suitable for **tunnels, subways, retaining walls, and other below-grade concrete structures**.
- Designed for applications requiring **durable, continuous and watertight joint sealing**.

STANDARDS COMPLIANCE

FUERZA HIDROSTOP complies with the requirements of **BS 2571:1963** and **ASTM D2440**, demonstrating conformity with recognized standards for product quality and performance.

APPLICATION & INSTALLATION PROCEDURE

Cutting & Preparation:

FUERZA HIDROSTOP waterstops are manufactured from flexible PVC, allowing them to be easily cut, jointed, and heat-welded according to project requirements. They can be cut to the required dimensions using a sharp knife, saw, or other suitable cutting tools and can be adapted for horizontal, vertical, and level joint configurations.

Fixing & Positioning:

FUERZA HIDROSTOP waterstops are secured to the reinforcement using binding wire through the integral eyelets provided along the edge flanges. Depending on the installation configuration, the waterstops may be fixed against the concrete surface or shuttering through these eyelets. Proper alignment and secure positioning must be maintained during concrete placement.

TECHNICAL INFORMATION

Type:	Poly vinyl chloride
Color:	Blue/Black
Service temperature:	-20° C to 50° C
Tensile strength:	14.00 N/m
Specific gravity:	1.37
Modulus of rigidity:	855 psi at 106° C 73.65 MPa at 200° C
Full stretch break out intensity:	12.92 MPa
Elongation:	290%
Hardness (Shore A):	75 at 25° C
Chemical resistance:	Alkalis, acids, kerosene oil, ethanol
Welding temperature:	200° C

Heat-Melting Method:

The heat-melting method is recommended for forming straight-line connections between waterstop sections. The ends of the sections are pressed against a heated metal plate until the PVC surfaces soften and melt, after which they are pressed firmly together to form a continuous joint. The connection should be allowed to cool completely before further handling. The typical connection time is approximately **3–4 minutes**.

Hot-Air Welding Method:

The hot-air welding method is suitable for forming **T-type, cross-type, L-type, and other specialized connections**. A compatible PVC welding rod is heated and melted simultaneously with the waterstop using a hot-air gun, creating a homogeneous and watertight joint. The completed connection should be allowed to cool and solidify before installation. The typical welding time is approximately **15 minutes**.

SAFETY CAUTIONS

FUERZA HIDROSTOP waterstops are manufactured from **PVC-based material** and may present a **combustibility and flame propagation risk when exposed to elevated temperatures or direct ignition sources**. Appropriate fire-safety precautions should therefore be observed during storage, handling, and installation.

PACKAGING, STORAGE & SHELF LIFE

FUERZA HIDROSTOP is supplied in **100 Rft rolls**. Store the product in its original, unopened packaging in a **shaded, dry environment at temperatures below 35°C**, protected from direct sunlight and excessive heat. Under recommended storage conditions, the product has a **shelf life of 12 months**. Exposure to elevated temperatures may adversely affect product stability and reduce its effective shelf life.

