

# TECNHICAL DATA SHEET PVC WATERSTOP

## Composition

High quality thermoplastic vinyl resins with added plasticizer.

## Chemical and Mechanical Resistance

Waterstop joints are resistant to degradation caused by the sun, ozone and other atmospheric or chemical agents normally present in the air and groundwater. High resistance to acid-alkaline solutions, aging and brackish water.

High flexibility even at low temperatures. The mechanical characteristics remain unchanged over time.

Physical-mechanical properties	Method	Unit of measure	Values
Hardness	ISO 868	Shore A	73 ± 3
Specific weight	ISO 1183	g/cc	1.38 ± 0.03
Breaking load	ISO 527	N/mm <sup>2</sup>	12 ± 2
Elongation at Break	ISO 527	%	300 ± 3
Operating temperature	-	°C	-30 / +70
Cold Flexibility Temperature	ISO 458/2	°C	-30
Flammability	UL94	Class	V-O
Oil resistance	Normal resistance in case of short-term contact, not suitable for long-term immersion. In this case it is necessary to use a specific compound.		

## Main Fields of Application

Dams, cisterns, hydroelectric power plants, tunnels, tank towers, purification plants, canalizations, bulkheads, diaphragms, swimming pools, terraces, etc.

## Assembly diagram

The part of the profile that is embedded in the concrete must be fixed to the reinforcement using special steel fixing clips (supplied separately), which must be hooked to the ends of the Waterstop.

Construction Joints: the Waterstop for Construction Joints (flat, for internal or external installation) is embedded in its entire width in the two concrete castings.

Expansion Joints: the Waterstop for Expansion Joints (central bulb, for internal or external installation) is positioned with the central bulb outside the castings.

*The data and information contained in this technical sheet are the result of our laboratory tests. These are indicative data which do not imply a guarantee on the part of the Company.*



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