



CIVIL & PRECAST

PVC WATERSTOPS

THE BENCHMARK IN WATERSTOPS

PVC is the industry standard for flexible waterstops, which are typically embedded across and along the joint. PVC is the most versatile waterstop material, offering the broadest design selection. It has great inherent elasticity and is resistant to many waterborne chemicals. It will not discolour concrete or produce electrolytic action.

Suggested Waterstop Design Checklist

- Verify chemical containment requirements, if any
- Verify hydrostatic head pressure requirements
- Determine joint type for best water sealing performance
- Specify material type for best water sealing performances
- Specify profile and size (by code number if possible)
- Verify joinery details of dissimilar or asymmetric waterstop profiles
- Specify factory fabrications and fittings for transitions and intersections

TYPICAL APPLICATIONS FOR PVC WATERSTOPS INCLUDE:

- Water and waste water treatment facilities
- Tunnels and culverts
- Foundations
- Primary and secondary containment structure



DETAILS

CODE	PRODUCT	UNIT
17 020	150mm CENTRE-BULB EXPANSION 951	20MTR Roll
17 040	200mm CENTRE-BULB EXPANSION 952	20MTR Roll
17 120	200mm REARGUARD EXPANSION 924	20MTR Roll
17 140	250mm REARGUARD EXPANSION 925	16MTR Roll
17 220	200mm REARGUARD CONST. 928	20MTR Roll
17 240	250mm REARGUARD CONST. 929	16MTR Roll
17 250	250mm INTERNAL EXPANSION 953	16MTR Roll



CIVIL & PRECAST

PVC WATERSTOPS

TECHNICAL SPECIFICATIONS

PROPERTY	TEST	VALUE
WATER ABSORPTION	ASTM D570	0.15% MAX
TEAR RESISTANT	ASTM D624	300LB./IN.MIN
ULTIMATE ELONGATION	ASTM D638	350% MIN
TENSILE STRENGTH	ASTM D638	2000psi MIN
LOW TEMP BRITTLINESS	ASTM D746	Passes @ -35F/-37C
STIFFNESS IN FLEXURE	ASTM D747	700psi MIN
SPECIFIC GRAVITY	ASTM D792	1.38 MAX
HARDNESS SHORE A15	ASTM D2240	79+/-3
ACCELERATED EXTRACTION	CORPS OF ENGINEERS	1600psi MIN 300% MIN
-TENSILE STRENGTH		
-ELONGATION		
EFFECT OF ALKALI	CRD-C 572	+0.25% - 0.10%
-WEIGHT CHANGE		
-HARDNESS CHANGE		

