

CPD® PVC WATERSTOP

DESCRIPTION

CPD® PVC Waterstop is extruded from an elastomeric plastic compound consisting of virgin polyvinyl chloride and additional resins, plasticizers and stabilizers to meet or exceed the requirements of the Corps of Engineers Specification CRD-C-572-74. It is available in many different types and cross-sections, several of which have one split flange for use where the elimination of split form work is desired. No reclaimed or reprocessed material are used.

WHERE TO USE

CPD® PVC Waterstop is used in concrete construction to prevent the passage of water through expansion joints or construction joints. It is used whenever water has to be kept out or kept in, whether above, at or below grade.

BENEFITS

CPD® PVC Waterstop is chemically inert, contains no material leachable by water, and is highly resistant to acids and alkalis, to ozone and oxygen, and to waterborne chemicals. It is fungus resistant and meets MIL STD 810B Method 508. It will not fatigue on repeated flexure, and it retains its strength and elasticity through a temperature range from 0-70°C (32-158°F).

PROPERTIES

Tensile strength (ASTM D-412)	13.8 MPa (2,000 psi)
Ultimate elongation (ASTM D-412)	370% minimum
Stiffness in flexure (ASTM D-747)	4.8 MPa (700 psi)
Water absorption (ASTM D-570)	0.5% max. (48 hours)
Low Temperature (ASTM D-746)	-45°C (-50°F) No Brittleness cracking or splitting
Accelerated Aging (CRD C-572) \$ tensile strength \$ elongation	10.3 MPa (1,500 psi) 300% minimum

Effect of Alkalis (CRD C-572) \$ weight change \$ hardness change \$ tensile change	-0.1 to + 0.25% □ 5 % - 15% maximum
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The above information is representative of typical values obtained under laboratory conditions. Variations can be expected due to on site conditions and/or other testing methods.

APPLICATION

Preparatory Work : Inspect each roll to ensure no oil, dirt or contaminants are left on the waterstop which could impair contact with surrounding concrete prior to installation. Take care not to damage ribs. When installing the waterstop, it is important that the center line of the waterstop be located at the center of the joint. Care should be exercised when pouring concrete to ensure that the center bulb, in expansion joints, be left exposed. This allows for maximum movement capabilities of the embedded waterstop.

LIMITATIONS

- CPD® PVC Waterstop is not suitable for use where thermal exposure above 80°C (175°F) may occur or where unexpected pronounced movement may be anticipated.
- Caution must be exercised when installing waterstop below -20°C (-4°F).

STANDARDS

Meets or exceeds the requirements and performance criteria of Corps of Engineers Specification CRD-C 572-74. MIL STD 810B Method 508.

Approved for use on all MTO projects (Ministry of Transportation).

PACKAGING

CPD® PVC Waterstop is supplied in 15 m (50 ft.) rolls unless otherwise specified.

STORAGE

May be stored anywhere. Weather protection outside desirable but not necessary.

SAFETY PRECAUTIONS

Consult Safety Data Sheet for specific instructions. SDS #70.

WARRANTY

The recommendations made and the information herein is based on our own laboratory experience, and is believed to be accurate under controlled conditions. However, no warranty or guarantee of accuracy is made because we cannot cover every possible application of product nor anticipate every variation encountered in weather conditions, job-conditions, methods used and types of surfaces on which the product is applied. The users shall make their own tests to determine the suitability of such products for any particular purpose.

CPD[®] makes no warranties with respect to this product, expressed or implied, without limitation, the implied warranties of merchantability or fitness for a particular purpose.

CPD[®]'s liability shall be limited in all events to supplying sufficient product to re-treat and/or repair the specific area to which CPD[®] product has been applied. CPD[®] reserves the right to have the true cause of any difficulty determined by accepted test methods. CPD[®] shall have no other liability, including liability for incidental, consequential or resultant damages, however caused, whether due to breach of warranty, negligence, or strict liability.

THIS WARRANTY MAY NOT BE MODIFIED OR EXTENDED BY REPRESENTATIVES OF CPD[®], ITS DISTRIBUTORS OR DEALERS.