

Ultra-Performance Hydrophilic Waterstop

APPLICATIONS

For concrete joints in: Precast Tunnel Segments, Precast Concrete Structures of All Types, Cast-In-Place Construction Joints, Foundations, Slabs, Parking Garages, Retaining Walls, Storage Tanks, Wall or Floor Penetrations made from: Steel, PVC, and Concrete Pipe. **Not intended for use in expansion joints or joints that move.**

NSF/ANSI/CAN 61 CERTIFIED FOR USE IN DRINKING WATER STRUCTURES

PHYSICAL PROPERTIES

Description	Spec	CS-5000
Color:		Orange
Specific Gravity:	ASTM D71	1.25-1.40
Elongation:		400%
Hardness:	ASTM D217	40 dmm
Application Temperature Range:		-10°F to 125°F (-22°C to 52°C)
Service Temperature Range:		-50°F to 200°F (-45°C to 93°C)

PERFORMANCE CHARACTERISTICS

Description	CS-5000
Swelling – Freshwater:	400%
Hydrostatic Pressure Resistance	
• Standard Precast Concrete Joint:	30 psi (2 bars)
• Precast Concrete Tunnel Segments:	75 psi (5 bars)
• Cast-In-Place Construction Joint:	100 psi (6.8 bars)



Certified to
NSF/ANSI/CAN 61



CS-1900 BEDDING ADHESIVE

PHYSICAL PROPERTIES & FEATURES

Property	Test Method	CS-1900
Color		Blue, Rubber
Cure System		Hybrid, Moisture Cure 1/8" per 40 hours
Cure Rate (77°F @ 50% Relative Humidity)		
Tensile Strength	ASTM D412	159 psi
Shear Strength	ASTM D1002	188 psi
Elongation	ASTM D412	185%
Adhesion to Primed Concrete (Clean, Dry)	ASTM C794	30 pli, cohesive failure
Shore A, Hardness	ASTM D661	35
VOC Content		20.6 grams/liter
Shrinkage		No measurable shrinkage after 14 days
Service Temperature		-40°F – 220°F (-40°C – 104°C), continuous service
Application Ambient Temp.		40°F – 130°F (4°C – 55°C)
Application Surface Temp.		40°F – 130°F (4°C – 55°C)

CS-5000SA SPlicing ADHESIVE

PHYSICAL PROPERTIES

Description	
Color:	Clear
Bonding Time:	30 - 60 sec @ 75°F, cross section and humidity affect bond time.
Full Cure Time:	24 Hours
Humidity:	High humidity accelerates cure time, low humidity slows cure time.
Hardness:	85 (Rockwell M)
Service Temperature:	-65°F to 180°F (-53°C to 82°C)
Storage:	Store in a cool dry place, keep in light-proof packaging
Shelf Life:	12 months

INSTALLATION

Surface Preparation:

Surface must be dry, free of loose debris, and contaminants before adhering the splices together.

Application Instructions:

Apply a thin layer of splicing adhesive, assemble splices together and apply steady pressure until bonded together. Larger cross section may require a longer bonding time to ensure proper bond. Temperature and Humidity affect curing and bonding time.

INSTALLATION

Features

- Over 100% hydrophilic expansion in the first 48 hours and 250% in 30 days.
- Superior adhesion to most construction materials, including: Concrete, Metal, Fiberglass, Many Plastics, PVC, Glass, Aluminum and Wood.

Application of CS-1900 as a Bedding Adhesive

Maintain CS-1900 at room temperature (~70°F) before applying to ensure easy application. A clean, dry, sound and uncontaminated surface is mandatory. CS-1900 may be factory or field applied to seal various construction components. Work CS-1900 into rough surfaces to optimize surface contact. Tooling techniques using solvents or soapy solutions are not recommended. For more detailed information review the technical data sheet for CS-1900.

LIMITED WARRANTY

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