

## Waterstop Sealant for use on Poured-In-Place and Precast Structures



### PRODUCT APPLICATIONS

For concrete joints in: Building Foundations, Slabs, Retaining Walls, Storage Tanks, Precast Duct Banks, and similar Non-Moving, Cold, Construction Joints. **Not intended for use in expansion joints or joints that move.**

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

### APPLICATION NOTES

- Always use an appropriate ConSeal Primer Product to avoid displacement of CS-235 during the concrete pouring. It may be necessary to utilize CS-1550, masonry nails, or other mechanical means to hold the sealant in place on vertical surfaces.
- Place CS-235 Waterstop so that it is no closer than 2" away from the outer surface of poured structure. If a keyway is utilized, place the CS-235 into the bottom of the formed keyway area.

### PHYSICAL PROPERTIES

Description	Test Method	CS-235
Color		Black
Specific Gravity	ASTM D71	1.35–1.45
Hydrocarbon Content	ASTM D4	47% min.
Volatile Matter	ASTM D6	1% max.
Penetration, cone 77°F, 150 gm. 5 sec.	ASTM D217	40-50 dmm
Application Temperature Range		-10°F to 125°F (-22°C to 52°C)
Service Temperature Range		-30°F to 180°F (-34°C to 82°C)

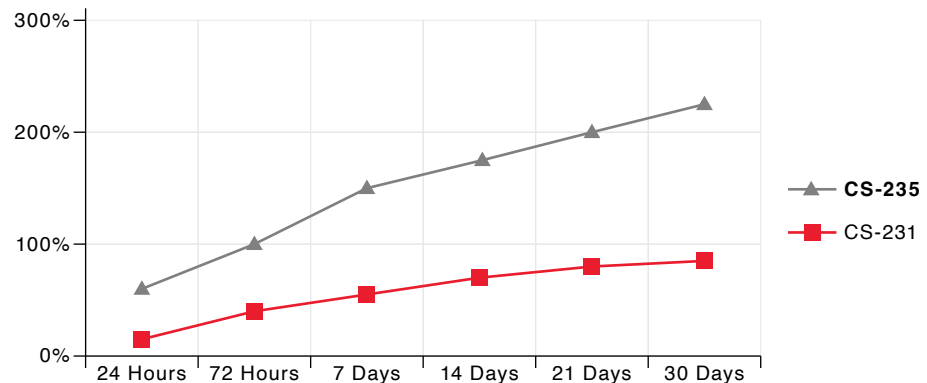
### PERFORMANCE CHARACTERISTICS

Description	CS-235
Maximum Swelling – Deionized Water:	250%
Maximum Swelling – Saltwater (3%):	35%
Hydrostatic Pressure Resistance	
Standard Precast Concrete Joint:	30 psi (2 bars)
Cast-In-Place Construction Joint:	100 psi (6.8 bars)

### IMMERSION TESTING

#### Deionized Water Exposure Results:

24 Hours: 60% Expansion  
 72 Hours: 100% Expansion  
 7 Days: 150% Expansion  
 14 Days: 175% Expansion  
 21 Days: 200% Expansion  
 30 Days: 225% Expansion



### INSTALLATION GUIDELINES

Reference Installation Instructions for “Hydrophilic Waterstops” for detailed instructions.

#### LIMITED WARRANTY

This information is presented in good faith, but we cannot anticipate all conditions under which this information and our products, or the products of other manufactures in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combinations for their own purposes. It is the users' responsibility to satisfy himself as to the suitability and completeness of such information for this own particular use. We sell this product without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of this product, whether used alone or in combination with other products.

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