



CONSEAL
CONCRETE SEALANTS INC.

Don't Just Seal It, ConSeal It!

ConSeal™ CS-235

Rapid Expansion
Waterstop Sealant

An Adhesive Waterstop Sealant for use on Poured-In-Place Structures

Applications

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

NSF Standard 61 Certified, Safe for Drinking Water Applications

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 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.

ConSeal CS-235 Waterstop is a unique sealing compound designed to expand rapidly when exposed to moisture, making it a *self-healing joint material* for construction joint applications.



Physical Properties

Description	Spec	CS-235
Color:		Black
Specific Gravity:	ASTM D71	1.40 ± 5
Hydrocarbon Content:	ASTM D4	47% min.
Volatile Matter:	ASTM D6	1% max.
Penetration, cone 77°F, 150 gm. 5 sec.:	ASTM D217	43 - 46 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)

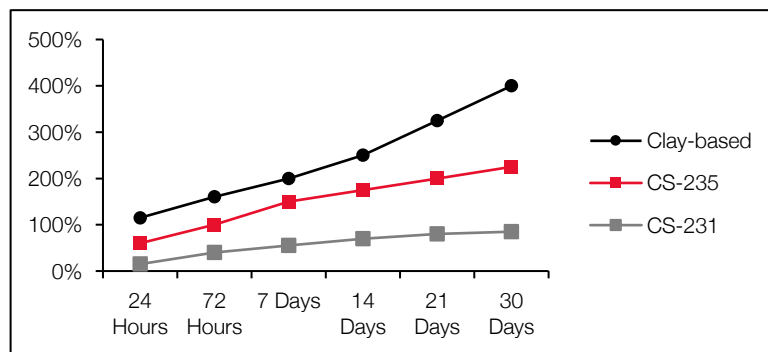
Performance Characteristics

Description	CS-235
Maximum Swelling – Freshwater:	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

Freshwater 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



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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