CONCRETE SEALANTS INC.

SEAL OF SECURITY. BOND OF TRUST.

ConSeal™ CS-1900

HYDROPHILIC ELASTOMERIC SEALANT

Solvent-Free, Hydrophilic Elastomeric Sealant for Concrete Structures

MADE IN OHIO USA

PRODUCT APPLICATIONS

Designed for use in cold joints, precast joints and for use as a bedding adhesive for hydrophilic waterstops such as CS-5000. CS-1900 can be used in deep construction applications such as: tunnels, vent shafts and dams. CS-1900 can also be used in more common concrete structures that require a waterstop including but not limited to manholes, box culverts, containment structures, concrete slabs or foundation joints, wall or floor penetrations, water and wastewater structures and many more.

SEALING PROPERTIES

- Finish: Blue, Elastomeric Rubber.
- Solvent & Isocyanate Free, 100% solids, will not shrink.
- California Proposition 65 compliant.
- Tack free skin formed in 60 minutes (77°F (25°C) at 50% Relative Humidity)
- Full cure takes place in 24 to 48 hours for 1/4" beads and smaller.
- Excellent weatherability when exposed to: Ultraviolet Radiation, Rain, Infrared Radiation, and Atmospheric Hydrocarbons.
- Superior adhesion to most construction materials, including: Concrete, Metal, Fiberglass, Many Plastics, PVC, Glass, Aluminum, and Wood.

PHYSICAL PROPERTIES

Property	Test Method	CS-1900
Cure System		Hybrid, Moisture Cure
VOC Content		20.6 grams/liter
Cure Rate		1/8" every 24 hours (77°F (25°C) at 50% Relative Humidity)
Gun Grade	**ASTM C639**	Zero Slump

PERFORMANCE CHARACTERISTICS

Description	Test Method	CS-1900
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 C661**	35
UV Stability, Accelerated Weathering	**QUV Weatherometer**	UV-A, No Change (2,000 hours)
Shrinkage		No measurable shrinkage after 14 days
Service Temperature		-40°F to 220°F (-40°C to 104°C), continuous service
Application Ambient Temperature		40°F to 130°F (4°C to 55°C)
Application Surface Temperature		40°F to 130°F (4°C to 55°C)
Hydrophilic Expansion (Cured film)		200% after 48 hours in deionized water

DO NOT USE PETROLEUM SOLVENTS SUCH AS MINERAL SPIRITS OR XYLENE FOR SURFACE PREPARATION.

DIRECTIONS FOR USE

Surface Preparation: The concrete must be clean and free from dust, dirt, grease and debris before application of CS-1900. Inspect surface for soundness. When surface is clean, sound and dry proceed with using the CS-1900.
Note: Make sure the surface is free from frost prior to application.

Priming: For applications with continuous water immersion ConSeal recommends using a surface primer. ConSeal CS-80 and CS-85 are specifically designed for ConSeal's elastomeric sealants.

Application: Maintain CS-1900 at room temperature before applying to ensure easy application. CS-1900 may be factory or field applied to seal various construction components. Work CS-1900 into rough surfaces to optimize surface contact. If using to fill cracks, avoid air entrapment when filling void with continuous bead of CS-1900.

Packaging and Storage: Available in 10.1-fl. oz. cartridge (298mL), 20.2-fl. oz. sausages (600mL), and 5-gallon pails. 9-month shelf life from manufacture date when stored in a cool, dry area. Elevated temperatures >100°F (37°C) may reduce shelf life.

Coverage and Full Cure Rates: 10.1-ounce cartridges: 1/2" diameter bead covers 7.5 linear feet. Full cure for 1/4" bead is 48 hours (77°F (25°C) at 50% Relative Humidity).

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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