

How the STORM SEAL[®] SYSTEM Works Together

For over 50 years, Strong has developed specialized cementitious products and patented application equipment to solve a variety of construction problems. The newest addition to this family of products, Storm Seal, is a cost-effective solution for structural fatigue and corrosion in storm water pipes. Storm Seal is centrifugally cast using the Strong-Seal Systems mixer, pump, and spinner. Storm Seal may also be sprayed manually. Extensive research and development activities, on-going laboratory testing and nationwide service are just a few of the advantages that make the Storm Seal System the right solution for storm water infrastructure rehabilitation.

Specialized Equipment

SPRAYMATE 35-D



SPRAYMATE 35-C



SPINNER



WINCH



CONTROL PANEL

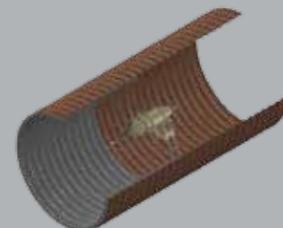


Complete Customer Service & Technical Support

Fully Trained and Certified Applicators
ASTM Testing of Raw and Finished Materials
Full R&D Facility
ASTM Conformance Testing of Field Samples
Independent Third-Party Laboratory Testing

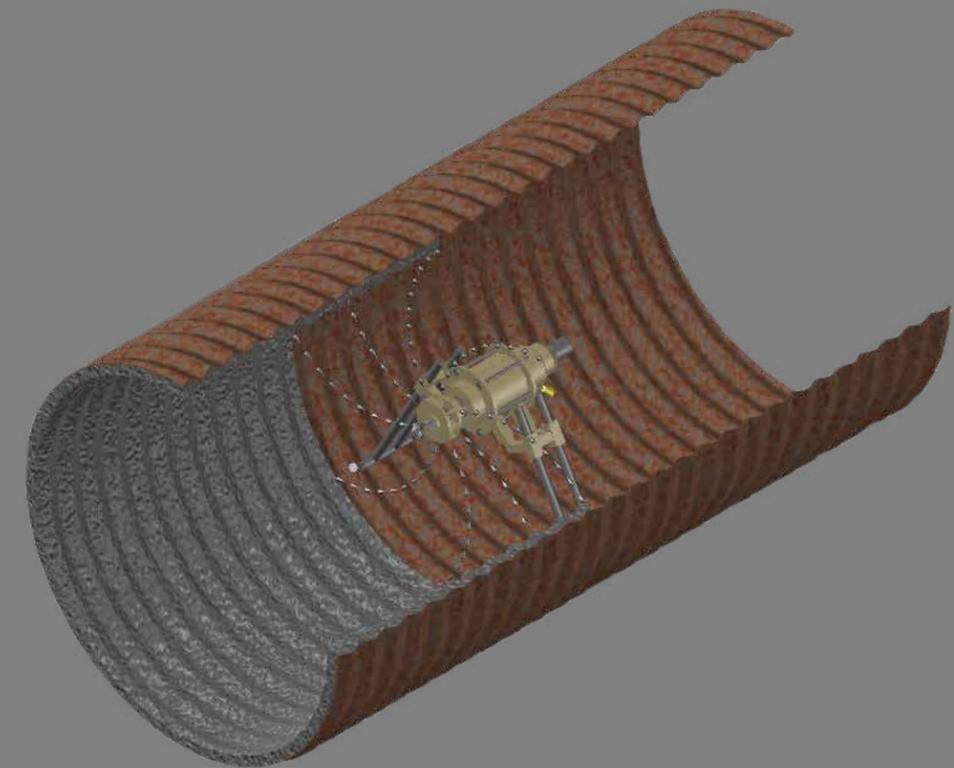
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THE
Strong Company
INC.



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Storm Seal[®] for Storm Water Pipe Rehabilitation



1-800-982-8009

Storm Seal[®]

The Fast, Cost-Effective Solution for Stormwater Pipe Rehabilitation

The Problems: Structural fatigue and corrosion

The Solutions: Engineered products to meet specific problems

Structural Fatigue and Corrosion

A corrugated metal pipe has a lifespan of about 30 years. Most storm water infrastructure in the United States is older than that.

Structural fatigue in aging storm water pipes results from traffic loading and invert deterioration. Corrosion, abrasion, and water retention cause leaking joints through pipe separation.

The primary cause of corrosion in a storm water pipe is standing water. In addition, sulfate rich soil will lead to corrosion from the outside of the pipe. A deteriorated storm water pipe may collapse, blocking flow which can result in sinkholes, flooding, and traffic disruptions.



Storm Seal

Storm Seal is a specially formulated, fiber-reinforced cementitious mixture designed for rehabilitating corrugated metal pipes, culverts, concrete pipes, catch basins, and other storm water structures. This product is made with Type I Portland Cement and is recommended in applications where there is no evidence of sulfide conditions.

Grout 12,000

Grout 12,000 is recommended before the application of Storm Seal. Grout 12,000 is a high performance, self-consolidating cementitious mixture that restores the invert back to original dimensions. The repaired invert ensures that Storm Seal is evenly applied to the storm water structures.

Strong-Seal QSR

Strong-Seal QSR is a rapid-set (10-15 minutes), high early strength, acid resistant, hand-mixed and hand-applied, calcium aluminate based cement product for filling voids and repairing inverts in concrete, brick or other masonry constructed structures.

Strong-Plug

Strong-Plug is a rapid set (60 seconds), hand-applied, cementitious product for stopping infiltrating water and making repairs which require high early strength. Strong-Plug may be applied in a dry form directly to minor infiltrations or mixed with water to a thicker consistency for application to more active leaks.

Storm Seal Materials Physical Properties

ASTM PROCEDURE	CRITERIA	STORM SEAL 28 DAY	GROUT 12,000 28 DAY
C-109	Compressive Strength	>10000 PSI	>12000 PSI
C-496	Tensile Strength	>900 PSI	>1300 PSI
C-293	Flexural Strength	>1400 PSI	>3000 PSI