

3M Water Infrastructure
3M™ Scotchkote™ Spray In Place Pipe 269 Coating



Sustainable Performance Purity and Trust

Worldwide, 3M provides sustainable, economic solutions for maintaining and protecting our critical potable water infrastructure – from reservoir to tap.

A recognized leader in research and development, 3M's core strength is applying its more than 40 distinct technology platforms to a wide array of customer needs.

For more information on 3M technologies, to arrange a pilot test in your area, or to find an applicator near you, visit www.3M.com/water.



3M™ Scotchkote™ Spray In Place Pipe 269 Coating Data Sheet

Product Description

3M™ Scotchkote™ Spray In Place Pipe 269 Coating has been specifically developed to rehabilitate potable water pipe infrastructure to extend service life, reduce leaks and improve water quality.

Product Features

- Approved to NSF/ANSI Standard 61 as certified by WQA and NSF
- Based on two-part poly-urea chemistry
- Contains no VOCs per EPA method 8260
- Quick cure allows CCTV inspection immediately after application
- Same day return to service possible, permitting the elimination of bypass piping
- Can be applied to pipe diameters of 4 inches (10 centimeters) to greater than 50 inches (127 centimeters)
- Typically will not plug service connections
- Adds structural integrity and service life to the pipeline
- Application method incorporates trenchless technology



Certified to
NSF/ANSI 61

Properties

Property	Value
Color	Gray
Ratio	1:1 By volume 100:112.4 By weight
Drying & Cure times at 68°F (20°C)	
Gel Time	120 seconds
Film Set Time	4 minutes
Cure Time (CCTV inspected)	10 minutes
Cure Time (Return to Service)	60 minutes
Volume Solids	100%
Shelf Life	Base use within 6 months of date of manufacture. Activator use within 12 months of date of manufacture. Store in original sealed containers at temperatures between 32°F (0°C) and 86°F (30°C).
V.O.C.	Nil
Target Thickness	140 mil (3.5 mm)
Representative Coverage Rate for 8" diameter pipe	0.2 gallons/ft

Material Properties

Test	Standard	Result
Tensile Strength at Break	ASTM D638	16 Mpa
Tensile Elongation	ASTM D638	64%
Flexural Strength	ASTM D790	22 Mpa
Flexural Modulus	ASTM D790	720 Mpa
Hardness	ASTM D2240	65 Shore D
Impact Resistance 120 mil (3 mm thickness)	ASTM D2794	> 18 Joules
Abrasion Resistance	ASTM D4060	71 mgm/1000 cycles (CS17 Wheel, 1 kg load)
Glass Transition Temperature 1	ASTM D7028	-40°F (-40°C)
Glass Transition Temperature 2	ASTM D7028	123°F (51°C)
Coefficient of Thermal Expansion -22 to 86°F (-30 to 30°C)	ASTM D696	116 ppm



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