

Quad-Cure[®] SF/SM/SS

TECHNICAL DATA

TYPICAL PERFORMANCE CHARACTERISTICS*

CHARACTERISTICS	TEST METHOD	PERFORMANCE
Tensile Strength	ASTM D638	24,500 psi 169 MPa
Flexural Strength	ASTM D790	27,500 psi 190 MPa
Flexural Modulus	ASTM D790	1,345,000 psi 9,270 MPa

*The values stated in inch-pound units are to be regarded as the standard. The values given in international system are for information only.

TECHNICAL INFORMATION

- Contains no VOCs, PFAs or styrenes
- Impregnated fiberglass maximum temperature may reach 105°F | 40.5°C
- Structural properties exceed requirements of ASTM F1216

FEATURES AND BENEFITS

- Resistant to 63+ chemicals & oils
- Non-flammable, non-hazardous, cures in the presence of water
- Safe for storm and sanitary sewers
- Safe on point repair carriers

Silicate Resin for Sectional and Point Repairs

DESCRIPTION

The family of Quad-Cure[®] Silicate Resins are formulated for sectional liners suited for isolated pipe repair and patching. We offer three different silicate resins designed for fast (SF), medium (SM), slow (SS) cure times.

Quad-Cure Silicate Resins are specifically engineered and designed to optimize sectional and point repair applications. The point repair process eliminates the need for digging by utilizing a process that creates a pipe within a pipe with minimal change to the original diameter.

APPLICATION ADVANTAGES

- Available to repair 3"-72" | 76-1,800mm diameter pipe in 24" and 48" | 0.6 and 1.2m lengths
- Eliminates the need for costly and disruptive excavations
- Only standard sewer cleaning and inspection equipment required
- Short repair times, multiple repairs in one day
- Field tested for over 10 years
- 50 year design life
- Odorless and ideal for working in confined spaces





MIXING INSTRUCTIONS

Ratio: 2:1 (2 parts Silicate Resin [Part B] to 1 part Water Glass [Part A]) by volume

WORK TIME

Amount of time to install a liner before resin starts to set.

CURE TIME

Amount of time for the resin to cure once part A and B have been mixed together.

NOTE

Resin cure time will vary depending on environmental factors such as Temperature, Humidity, Hydrostatic Pressure and Thermal Wicking due to Cold Water Infiltration.

QUAD-CURE® SILICATE RESIN CURING GUIDELINES

Quad-Cure® SS

AMBIENT TEMP.	WORK TIME (MINS)	CURE TIME (MINS)
55°F 12.8°C	32 - 35	210 - 240
64°F 17.8°C	32 - 35	180 - 240
73°F 22.8°C	30 - 32	180 - 210
82°F 28.3°C	20 - 23	180 - 210
91°F 32.8°C	14 - 16	150 - 210

Quad-Cure® SM

AMBIENT TEMP.	WORK TIME (MINS)	CURE TIME (MINS)
33°F 0.56°C	20 - 22	100 - 120
55°F 12.8°C	18 - 20	90 - 110
67°F 19.4°C	16 - 19	75 - 100
73°F 22.8°C	15 - 17	60 - 70

Quad-Cure® SF

AMBIENT TEMP.	WORK TIME (MINS)	CURE TIME (MINS)
40°F 4.4°C	9 - 10	55 - 60
50°F 10°C	8 - 9	45 - 50
59°F 15°C	7 - 8	35 - 40
68°F 20°C	6 - 7	25 - 30