TECHNICAL DATA SHEET

MAXLINER®

Max Point Repair Resins

(SUMMER, WINTER, TURBO)

Silicate Resin for Sectional and Point Repairs

DESCRIPTION

The family of Silicate Resins are formulated for sectional liners suited for isolated pipe repair and patching. Depending on the season and/or project conditions, we offer three different silicate resins designed for fast (Turbo), medium (Winter) and slow (Summer) cure times.

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.

TECHNICAL DATA

TYPICAL PERFORMANCE CHARACTERISTICS*

PROPERTY	TEST METHOD	MIN./ASTM	UNITED POINT REPAIR
Flexural Strength	ASTM D790	4,500 psi	27,500 psi
Flexural Modulus	ASTM D790	250,000 psi	1,345,000 psi
Tensile Strength	ASTM D638	3,000 psi	24,500 psi

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

APPLICATION ADVANTAGES

- **Available to repair 3"-72" diameter pipe in 24" and 48" 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**

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**

MAX POINT REPAIR

UNITED POINT REPAIR SILICATE RESIN CURING GUIDELINES

Summer

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

Winter

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

Turbo

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

MIXING INSTRUCTIONS

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

POT LIFE

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.

DISCLAIMER

The information contained herein is offered without charge for use by technically qualified personnel at their discretion and risk. All statements, technical information and recommendations contained herein are based on tests and data which we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and no warranty of any kind is made with respect thereto. Exact coating type and thickness depend on the specific types of resin being used. Always read, understand, and comply with hazard warnings described in the products' Safety Data Sheet(s) before use.