

# SANCON 200

## URETHANE MORTAR LINING

- Designed for Sanitation Systems
- Ultra High Build, Flexible, Non-Shrinking
- Provides Structural Strength and Corrosion Protection

### Product Description

Sancon 200 Urethane lining is a single coat spray-on system which uses 100% solids elastomeric polyurethane and special aggregates to produce a high strength flexible and corrosion-resistant liner. Fast cure allows the structure to be returned to immersion service within four (4) hours.

### Recommended Uses

Sancon 200 mortar lining was specifically developed for rebuilding deteriorated concrete surfaces in one step, providing both strength and corrosion protection. Typical uses are manholes, tanks and pipelines.

### Characteristics

Unlike coatings, Sancon 200 cannot blister or peel as it becomes a structural element in itself. The mortar is fast curing and can be applied to any thickness in one continuous application. It is resistant to moisture and bonds directly to exposed aggregate or smooth concrete surfaces. It contains no solvents to evaporate, therefore no shrinkage occurs.

Sancon 200 remains flexible throughout its life, yet is highly resistant to abrasion and impact.

### Surface Preparation

No surface preparation is required on clean concrete surface, free from curing compounds, oils, existing coatings or other foreign materials. Grit or hydro blasting is required where the lining is subject to immersion service. Exposed aggregate surfaces should be cleaned of all deteriorated material resulting in a substrate of sound concrete.

### Application

The polyurethane materials are applied through plural component equipment, which mixes both parts before the spray gun. Aggregate is added at the nozzle, forming the mortar lining. Application is made directly to the concrete without the need of primer until the desired thickness is achieved. The mortar coat may be top-coated with polyurethane to produce a smooth surface, which is easy to clean.

### Recommended Thickness

Recommended thickness for Sancon 200 is 3/8 inch. Thickness may vary depending on surface profile and severity of service. Minimum recommended thickness is 1/8 inch. There is no maximum thickness limit.

### Chemical Resistance @70°F

#### Acids

<b>40% Sulfuric</b>	<b>I</b>
<b>43% Phosphoric</b>	<b>I</b>
<b>37% Hydrochloric</b>	<b>S</b>
<b>50% Acetic</b>	<b>I</b>
<b>15% Chromic</b>	<b>S</b>
<b>14% Nitric</b>	<b>S</b>

#### Bases

<b>25% Sodium Hydroxide</b>	<b>I</b>
<b>20% Potassium Hydroxide</b>	<b>I</b>
<b>29% Ammonium Hydroxide</b>	<b>I</b>

#### Salts

<b>20% Sodium Chloride</b>	<b>I</b>
<b>1% Ferric Chloride</b>	<b>I</b>

#### Hydrocarbons

<b>Soaps and Detergents</b>	<b>I</b>
<b>Petroleum Oils</b>	<b>I</b>
<b>Vegetable Oils</b>	<b>I</b>

#### Solvents

**Not Recommended**

#### Weathering

**Discoloration, No Physical Degradation**

#### I-Immersion

**S-Splash/Secondary Containment**

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### Warranty

The technical data contained herein is accurate to the best of our knowledge. Sancon Engineering, Inc. warrants coatings that are presented herein meet their formulation standards. No other material warranty is expressed or implied, including warranties of merchantability, fitness and coverage for a particular purpose. Published technical data and instructions are subject to change without notice. Contact Sancon Engineering for current technical data, instructions and chemical resistance.

### Physical Properties

Packaging	55 gallon drum
Type	Aromatic
Components	2
Color	Tan
Application	Plural Spray
Mixing Ratio	2:1
Pot Life, Mass	0.5 Minutes
Standard Thickness	3/8 inch
Cure to Tack Free	30 min @ 70°F
Minimum Cure Time For Submersion	4 hours @ 70°F
Recoating Time	30 min. @ 70°F
Application Surface Temperatures	32°F - 150°F
Maximum Service Temperature	200°F Dry 140°F Wet
Flash Point	> 400°F
Thinning	None
Shelf Life	1 year
Transport Index	Non-Hazardous



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