

**RUST-OLEUM®****8100 SYSTEM****OVERKRETE® XTRA SL****PREMIUM 100% SOLIDS EPOXY FLOOR COATING****DESCRIPTION AND USES**

OverKrete® Xtra SL is a self leveling flooring that produces a smooth finished surface in one application. A tough, abrasion resistant, 100% solids, copolymer resin system, OverKrete Xtra SL is normally applied at a thickness of 90 mils, giving it improved impact and chemical resistance. It is ideally suited for clean rooms, walkways, and rubber tired forklift traffic areas, where appearance and ease of cleaning are paramount.

This CPS Type II product is typically installed by factory trained contractors. Be sure you are fully aware of all application procedures and have all the required application equipment available prior to beginning application of this product.

**FEATURES AND BENEFITS**

- Freedom from porosity: OverKrete Xtra SL is nonporous and does not require a sealer coat to prevent chemical penetration to the concrete.
- Uniform flooring composition and properties: OverKrete Xtra SL flooring materials are applied in one step, which means consistent physical properties are maintained throughout.
- Bonds to standard 10 day old concrete that has been cured at a minimum of 70°F.
- OverKrete Xtra SL flooring system has the same chemical resistance as OverKrete 8100 S. Refer to the Chemical Resistance Chart for specific chemical data.

**PACKAGING**

OverKrete Xtra SL is available in only one kit size: 70 sq. ft. at 90 mils (3.94 gallons total)

**COLORS**

OverKrete Xtra SL is available in twelve standard colors and custom colors are available upon request.

**PRODUCTS**

<b>70 sq.ft. Kit</b>	<b>Description</b>
237177	Natural
237180	National Blue
237182	Light Green
237184	Safety Yellow
237186	Tile Red
237188	Black
237190	Dunes Tan
237192	Dark Gray
237194	Light Gray
237196	Navy Gray
237198	White
241654	Super Light Gray

**TYPICAL USES**

OverKrete Xtra SL is used where one or more of the following properties are required:

- Easy to clean and maintain
- High wear resistance
- Elimination of concrete dusting
- Easy to clean and maintain
- Smooth aesthetically pleasing surfaces

**INDUSTRIAL & COMMERCIAL APPLICATIONS**

- Clean rooms
- Laboratories
- Pharmaceutical
- Electronic plants
- Areas that require ease of maintenance, very clean conditions and chemical resistance

**PRODUCT APPLICATION****SURFACE PREPARATION**

Concrete must be sound, clean, and visibly dry. Irregularities in the concrete should be filled. OverKrete Xtra SL requires use of a primer (Penetrating Prime & Seal Primer or Prime & Seal Primer) and should not be applied directly over concrete.

The concrete, ambient, and material temperatures should be 70-90°F at time of application. Allow the primer to cure for 6-8 hours before application of OverKrete Xtra SL.

**APPLICATION**

OverKrete Xtra SL must be applied to a primed surface only. Prime the surface prior to application. Consult Prime & Seal Primer literature for more information.

**MIXING**

Note: Before starting, ensure that the material, the floor surface, and the ambient air are all at 70-90°F.

A bucket mixer is recommended for OverKrete Xtra SL mixing, but a drill motor with a birdcage attachment will suffice.

Pre-mix part "A" to ensure consistent color. Pour part "B" into "A" and mix until homogeneous; about 1 to 2 minutes. Immediately pour on floor.



**TECHNICAL DATA**

**8100 SYSTEM OVERKRETE® XTRA SL PREMIUM 100% SOLIDS EPOXY FLOOR COATING**

**PRODUCT APPLICATION (cont.)**

**FINISHING**

Use screed rake to apply. Set rake at 1/8" for a 90 mil coating. After with a screed rake, finish with a porcupine roller several times to remove air, be sure not to over work as this may introduce air bubbles.

If necessary, adjust screed setting for proper coverage.

Floor should be suitable for light use in 36 hours (depending on temperature) and should be ready for full physical use in 72 hours. Full chemical exposure should be delayed for four days.

**CLEAN UP**

Xylene can be used to remove material from equipment if it is cleaned before the material has started to set up; otherwise, stronger solvents such as methylene chloride will be necessary.

**SAFETY**

OverKrete Xtra SL contains amine curing agents. Avoid skin contact. In case of eye contact or ingestion, contact a physician immediately. In case of skin sensitivity to these materials, use protective clothing and gloves.

**SAFETY DATA SHEETS**

Safety Data Sheets are available upon request. It is strongly recommended that they be read by all persons handling OverKrete Xtra SL.

If there are any questions on the use of this product, please consult our technical service department.

**PERFORMANCE CHARACTERISTICS**

**COMPRESSIVE STRENGTH**

METHOD: ASTM C579  
TYPICAL VALUE: 10,700 psi

**FLEXURAL STRENGTH**

METHOD: ASTM C580  
TYPICAL VALUE: 3,260 psi

**MODULUS OF ELASTICITY**

METHOD: ASTM C580  
TYPICAL VALUE: 1.53 x 10<sup>5</sup> psi

**TENSILE STRENGTH**

METHOD: ASTM C307  
TYPICAL VALUE: 2,500 psi

**BOND STRENGTH TO CONCRETE**

METHOD: ASTM D4541  
TYPICAL VALUE: Exceeds tensile strength of concrete (concrete fails first)

**PERFORMANCE CHARACTERISTICS (cont.)**

**TABER ABRASION**

METHOD: ASTM 4060, CS 17  
TYPICAL VALUE: Loss/1,000 cycles = 68 mg.

**WATER ABSORPTION**

METHOD: ASTM C413  
TYPICAL VALUE: 0.10% maximum

**LINEAR SHRINKAGE**

METHOD: ASTM C531  
TYPICAL VALUE: 0.10% maximum

**FLAMMABILITY**

METHOD: ASTM D635  
TYPICAL VALUE: Self-extinguishing

**IMPACT RESISTANCE**

METHOD: Mil-D-3134J  
TYPICAL VALUE: Satisfactory per 3.15

**COEFFICIENT OF FRICTION**

METHOD: ASTM D2047  
TYPICAL VALUE: 0.65

**FILM HARDNESS, SHORE D**

METHOD: ASTM D2240  
TYPICAL VALUE: 83

**POROSITY WITH NO SEALER COAT**

METHOD: NACE Stand TM0174  
TYPICAL VALUE: 0.00

**TECHNICAL DATA****8100 SYSTEM OVERKRETE® XTRA SL PREMIUM 100% SOLIDS EPOXY FLOOR COATING****PHYSICAL PROPERTIES**

		<b>OVERKRETE® XTRA SL</b>
<b>Resin Type</b>		Polyamine Converted Epoxy
<b>Pigment Type</b>		Varies depending on color
<b>Solvents</b>		Benzyl Alcohol
<b>Weight*</b>	<b>Per Gallon</b>	9.4-10.0 lbs.
	<b>Per Liter</b>	1.13-1.20 kg
<b>Solids*</b>	<b>by Weight</b>	100%
	<b>by Volume</b>	100%
<b>Volatile Organic Compounds*</b>		<185 g/l (1.54 lbs./gal.)
<b>Recommended Dry Film Thickness (DFT) per Coat</b>		90 mils
<b>Wet Film to Achieve DFT per coat</b>		90 mils
<b>Practical Coverage at Recommended DFT (assumes 15% material loss)</b>		70 sq.ft./gal.
<b>Mixing Ratio</b>		2.8:1 base to activator by volume
<b>Induction Period</b>		None
<b>Pot Life @ 70-80°F (21-27°C) &amp; 50% Relative Humidity</b>		30 minutes. Higher temperatures and larger quantities of activated material will significantly reduce pot life. Pour material onto floor immediately after mixing.
<b>Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity</b>	<b>Light Traffic</b>	36 hours
	<b>Full Use</b>	72 hours
	<b>Full Cure</b>	4 days
<b>Shelf Life</b>		1 year
<b>Flash Point</b>		>130°F (55°C)
<b>Safety Information</b>		FLAMMABLE LIQUID AND VAPOR. HARMFUL IF INHALED. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. CAUSES NOSE, THROAT, EYE AND SKIN IRRITATION. CONTAINS ALIPHATIC POLYISOCYANATE; METHYL AMYL KETONE AND METHYL ACETATE SOLVENTS. REFER TO SAFETY DATA SHEET (SDS) FOR ADDITIONAL INFORMATION.

\* Activated material.

Calculated values are shown and may vary slightly from the actual manufactured material.

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.



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Form: GDH-281  
Rev.: 042018