RUST-OLEUM®

Concrete Protection Systems

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

PRODUCT DESCRIPTION

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.
- The OverKrete® Xtra SL flooring system has the same chemical resistance as 8000 System OverKrete® S. Refer to the Chemical Resistance Chart for specific chemical data.

FEATURES AND BENEFITS (cont.)

TYPICAL USES

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

- Easily cleaned and maintained
- No dusting or outgassing
- High wearability
- Strong corrosion resistance
- Smooth aesthetically pleasing surface

TYPICAL AREAS

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

RAPID TURN AROUND TIME

At application temperatures above 70°F, the OverKrete® Xtra SL flooring material can support foot traffic in 24 hours and can be put to full physical use after 72 hours. Full chemical resistance is reached in four days.

COLORS

OverKrete® Xtra SL can be ordered in standard colors. Custom colors are available upon request.

PACKAGING & COVERAGE

OverKrete® Xtra SL is available in one standard kit size:

70 sq. ft. kit, at 90 mils (5 gallons total)

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PRODUCT APPLICATION

APPLICATION

OverKrete® Xtra SL must be applied to a primed surface only.

Prime with Prime and Seal® Primerprior to application. Consult Prime and Seal® literature for more information.

MIXING

Note: Before starting, assure 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 drillmotor with a birdcage attachment will suffice.

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

FINISHING

Use screed rake to apply. Set rake at 1/8 inch for a 90 mil coating. After screeding, porcupine 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 24 hours (depending on temperature) and should be ready for full physical use in 72 hours. Full chemical exposure should be delayed for four days.

PRODUCT APPLICATION (cont.)

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.

If there are any questions on the use of this product, please consult our Technical Service Department.

SAFETY

OverKrete® Xtra SL Material 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.

MATERIAL SAFETY DATA SHEETS

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

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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: 1.53×10^5 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)

TABER ABRASION
METHOD: ASTM 4060, CS 17
TYPICAL VALUE: Loss/1,000 cycles = 30 mg.

WATER ABSORPTI ON
METHOD: ASTM C413
TYPICAL VALUE: 0.1% maximum

LINEAR SHRINKAGE
METHOD: ASTM C531
TYPICAL VALUE: 0.05% maximum

LINEAR COEFFICIENT OF THERMAL EXPANSION
METHOD: ASTM C531
TYPICAL VALUE: 3.4×10^{-5} in./in./°F

FLAMMABILITY
METHOD: ASTM D635
TYPICAL VALUE: Self-extinguishing

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

PERFORMANCE CHARACTERISTICS (cont.)

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

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RUST-OLEUM®
INDUSTRIAL BRANDS

Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, Illinois 60061
An RPM Company

Phone: 847•367•7700
www.rustoleum.com

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