RUST-OLEUM®

8100 SYSTEM
OVERKRETE® XTRA OP
PREMIUM 100% SOLIDS EPOXY FLOOR COATING-ORANGE PEEL

DESCRIPTION AND USES

OverKrete® Xtra OP provides an "orange peel" finish. It is designed for long term protection of concrete in light to medium service areas, typically for foot traffic and rubber covered wheel traffic.

This premium formulation provides improved color and gloss retention over standard epoxy floor coatings.

OverKrete Xtra OP is virtually 100% solids copolymer resin systems, essentially equivalent to the resin systems used in the ¼ inch OverKrete floor topping.

FEATURES AND BENEFITS

CORROSION RESISTANCE

OverKrete Xtra OP coatings are resistant to a wide range of chemicals. Due to the thinness of these coatings, it is not recommended for continuous or prolonged exposure to chemicals. For more detailed chemical resistance information, refer to the Product Recommendation Guide.

COLORS

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

PACKAGING

OverKrete Xtra OP is packaged in two kit sizes: 1 gallon and 3 gallon. Mixing ratios are shown on the product labels.

PRODUCTS

1-Gallon	3-Gallon	Description
237201	237202	Natural
237207	237208	Clear
237211	237212	National Blue
237215	237216	Light Gray
237219	237220	Safety Yellow
237223	237224	Tile Red
237227	237228	Black
237231	237232	Dunes Tan
237235	237236	Dark Gray
237239	237240	Light Gray
237243	237244	Navy Gray
237247	237248	White
241645	241647	Super Light Gray

TYPICAL USES

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

- Splash and spill corrosion resistance
- High wear resistance
- Elimination of concrete dusting
- Easy to clean and maintain
- Aesthetically pleasing surfaces

OverKrete Xtra OP requires a primer (Penetrating Prime & Seal Primer or Prime & Seal Primer) and should not be applied directly over concrete. It is also not recommended for use as a glaze coat over any of the HD full broadcast systems. Use the "S" versions as a glaze coat.

INDUSTRIAL & COMMERCIAL APPLICATIONS

Electronic industry
Power plants
Automotive assembly
Automotive showrooms
Airport baggage handling and ramps
Wineries
Breweries
Bottling industries
Beverage industries
Chemical plants
Meat packing and poultry plants
Dairies
Food processing plants
Bakeries
Schools
Hospitals
Pharmaceutical and chemical laboratories
Restaurants
Industrial lunchrooms and dressing rooms
Waste water treatment plants
Fire stations

PRODUCT APPLICATION

SURFACE PREPARATION

Concrete must be sound, clean, and visibly dry. Irregularities in the concrete should be filled. OverKrete Xtra OP 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 65-90°F at time of application. Allow the primer to cure for 6-8 hours before application of OverKrete Xtra OP.

Mixing should be done with an electrical drill and a Jiffler attachment, for 2 minutes.

Application by squeegee and short nap roller.

COVERAGE

10-16 mils orange peel finish

OverKrete Xtra OP is applied in two coats of 5-8 mils each.

1st application is 200-320 sq. ft. /gal. (5-8 mils)

2nd application is 200-320 sq. ft. /gal. (5-8 mils)

Thickness determines texture. Do not exceed 8 mils.

SET TIME

OverKrete Xtra OP cures adequately for next coating step in 8-10 hours at 70°F.

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

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: 7,900 psi

FLEXURAL STRENGTH

METHOD: ASTM C580

TYPICAL VALUE: 3,700 psi

TENSILE STRENGTH

METHOD: ASTM C638

TYPICAL VALUE: 3,900 psi

TABER ABRASION

METHOD: ASTM 4060, CS 17

TYPICAL VALUE: Loss/1,000 cycles = 30 mg.

FILM HARDNESS, SHORE D

METHOD: ASTM D2240

TYPICAL VALUE: 85

TECHNICAL DATA

8100 SYSTEM OVERKRETE® XTRA OP PREMIUM 100% SOLIDS EPOXY FLOOR COATING-ORANGE PEEL

		OVERKRETE® XTRA OP
Resin Type		Polyamine converted epoxy
Pigment Type		Silica and extenders
Solvents		None
Weight*	**Per Gallon**	9.7-10.3 lbs.
	Per Liter	1.16-1.23 kg
Solids*	**by Weight**	100%
	by Volume	100%
Volatile Organic Compounds*		<100 g/l (0.83 lbs./gal.)
Recommended Dry Film Thickness (DFT) per Coat		5.0-8.0 mils (125-200µ) 1st coat
Wet Film to Achieve DFT per coat		5.0-8.0 mils (125-200µ)
Theoretical Coverage at 1 mil DFT (25µ)		1,604 sq. ft./gal. (39.5 m^2/l)
Practical Coverage at Recommended DFT (assumes 15% material loss)		200-320 sq. ft./gal. (4.9-7.9 m^2/l)
Mixing Ratio		2:1 base to activator (by volume)
Induction Period		None
Pot Life @ 70-80°F (21-27°C) & 50% Relative Humidity		30 minutes. Higher temperatures and larger quantities of activated material will significantly reduce pot life. Pour material onto floor immediately after mixing.
Dry Times at 70-80°F (21-27ºC) and 50% Relative Humidity	**Foot traffic**	16-24 hours
	Full traffic	48 hours
	Recoat	8-10 hours
Shelf Life		1 year
Safety Information		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 MATERIAL SAFETY DATA SHEET (MSDS) 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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