RUST-OLEUM®

Concrete Protection Systems

8600 SYSTEM
OVERKRETE® 45/65 S
LOW TEMP EPOXY FLOOR COATING

PRODUCT DESCRIPTION

OverKrete® 45/65 S is a floor coating system applied at a thickness of 16 to 50 mils. It is designed for protection of concrete in light to medium service areas, typically for foot traffic and rubber covered wheel traffic.

OverKrete® 45/65 S is designed for application and curing at temperatures of 45-65°F.

Note: Before starting, ensure that the material, concrete surfaces and ambient air are all at the above recommended temperatures. Set time for product based on above temperature ranges is 6-8 hours. Once cured, this coating performs identically to 8000 System OverKrete® S.

This coating is virtually 100% solids copolymer resin system, essentially equivalent to the resin systems used in the corresponding 1/4 inch OverKrete® 45/65 HD topping. It has been modified for application in thin coatings. The low viscosity and self-leveling properties permit easy application by squeegee and rolling with short nap rollers. It can also be rolled on to vertical surfaces using the modified version, OverKrete® 45/65 V. This coating is available in standard colors. Special colors and surface textures are available upon request.

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

CORROSION RESISTANCE

This coating is chemically resistant to a wide range of chemicals, but it is not recommended for continuous or prolonged exposure to chemicals. For more detailed chemical resistance information, refer to the Product Recommendation Guide.

The Corrosion Resistance Chart in the Product Recommendation Guide lists a variety of chemicals and expected performance of the product.

TYPICAL APPLICATION

TYPICAL USES

This product is used where one or more of the following properties are required.

- High wearability
- Anti-skid safety surfaces (when used in conjunction with a broadcasted aggregate)
- Corrosion resistance
- Easily cleaned and maintained
- Aesthetically pleasing surfaces

TYPICAL APPLICATIONS

- Walkways
- Light warehousing
- Light storage areas
- Light manufacturing
- Clean rooms
- Laboratories
- Animal treatment areas

INDUSTRIAL AND COMMERCIAL APPLICATIONS

- Electronics
- Industry power plants
- Automotive assembly
- Airport baggage handling
- 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

Form: TB9812990
Rev.: 05/07
Printed in USA

8600 SYSTEM OVERKRETE® 45/65 S LOW TEMP EPOXY FLOOR COATING

APPLICATION THICKNESS

This coating has a tenacious adhesion to concrete. It will not lift or crack under static or dynamic loads unless the underlying concrete fails. Concrete failure is evidenced by powdering, crazing, spalling or cracking. The coating cushions the concrete from failing. This cushioning effect increases in proportion to the thickness of the coating applied. Light to medium duty service requires a 16 to 50 mil coating. This is the range that this product is designed to handle.

PACKAGING

Packaged in two kit sizes: 1 gallon and 3 gallon

Mixing ratios are listed in the Mixing Ratio Bulletin and product labels. Aggregate for anti-skid, is not packaged with the standard unit and must be ordered separately.

PRODUCT APPLICATION

CONCRETE PREPARATION

Concrete must be sound, clean, and visibly dry. Irregularities in the concrete should be filled. The surface should be sand blasted, shot blasted, or acid etched prior to application. Concrete, ambient, and material temperatures should be 45-65°F at time of application. Primer is not required for applications. Mixing should be done with a drill motor and Jiffler attachment, for 60-90 seconds.

Application is by means of a squeegee and short nap roller.

Note: Application procedure is described in more detail in the Application Instructions. These should be read before use. 45 to 50 mils anti-skid finish; applied in two coats.

1st coat: 100 sq. ft per gal. Aggregate broadcast while wet.

2nd coat* 100 sq. ft per gal.**

* The 2nd coat anchors the aggregate.

** This will vary, based on coarseness of aggregate used.

CLEAN UP

Xylene can be used to remove coating from equipment and tools before it begins to harden; otherwise strong solvents such as methylene chloride will be required.

PRODUCT APPLICATION (cont.)

SAFETY

This coating contains amine curing agents. Avoid skin contact. In case of eye contact or ingestion, contact a physician immediately. Some people are skin sensitive to these materials and should use protective clothing and gloves.

MATERIAL SAFETY DATA SHEETS

Material Safety Data Sheet is available upon request. It is strongly recommended that this be read by all persons handling this product.

PERFORMANCE CHARACTERISTICS

COMPREHENSIVE STRENGTH

METHOD: ASTM C579

RESULT: 14,000 psi

FLEXURAL STRENGTH

METHOD: ASTM D790

RESULT: 17,00 psi

TENSILE STRENGTH

METHOD: ASTM D307

RESULT: 11,000 psi

TABER ABRASION

METHOD: ASTM D4060 CS17 wheels, 2,000 grams 1,000 cycles

RESULT: Loss/1,000 cycles = 25 mg.

HARDNESS; SHORE D

METHOD: ASTM D2240

RESULT: 85

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Form: TB9812990
Rev.: 05/07
Printed in USA