

RUST-OLEUM®**8600 SYSTEM OVERKRETE® 45/65 HDV****VERTICAL/WALL COATING****100% SOLIDS EPOXY WALL COATING****DESCRIPTION AND USES**

8600 System OverKrete® 45/65 HDV is a vertical surface trowel applied material designed for concrete and masonry substrates. OverKrete45/65 HDV provides protection against strong chemicals and mechanical abuse. OverKrete 45/65 HDV is excellent for vertical walls, trenches, pump pads and curbs. The chemical resistance is equivalent to the flooring counterparts and should be applied at a thickness of 1/8 inch. Heavier application may cause slumping. Voids and “bug holes” must be filled with Rust-Oleum BlokFil before applying the vertical material.

PRODUCT FEATURES AND BENEFITS

- Excellent chemical and abrasion resistance
- Easy to apply
- No primer required (see BlokFil notes)
- VOC compliant with 100% solids and low odor for use in all regulated areas

PRODUCTS

8600 System OverKrete 45/65 HDV is available in twelve standard colors. Custom colors are available upon request. Refer to the Rust-Oleum color chart. Product codes listed below are 3.5-Gallon Kits. All kits have three parts. Part ‘A’ is the resin, Part ‘B’ is the activator and Part ‘C’ is the silica sand. All are pre-packaged in a self contained 25 square foot kit (measured for a 1/4” system). Mixing ratios are shown on product labels. Do not split kits.

SKU	DESCRIPTION
237056	National Blue
237058	Light Green
237060	Safety Yellow
237062	Tile Red
237064	Black
237066	Dunes Tan
237068	Dark Gray
237070	Light Gray
237072	Navy Gray
237074	White
241711	Super Light Gray
237053	Natural
237076	Custom

PRODUCT APPLICATION**SURFACE PREPARATION**

A properly prepared surface is absolutely essential for a successful application.

Before starting concrete preparation, check for oil, grease, or sealers that may inhibit adhesion. Sealers can be removed by mechanical means such as abrasive blasting, but this method will not work for oil or grease contamination.

PRODUCT APPLICATION (cont.)**SURFACE PREPARATION (cont.)**

For degreasing, scrub the concrete with a suitable cleaner/degreaser such as Krud Kutter® Cleaner/Degreaser. Thoroughly rinse with fresh water and allow the surface to thoroughly dry. One scrubbing may not be sufficient. To test the surface, apply a solution of 1 part muriatic acid to 1 part water. Be sure to add the acid to the water and not the reverse. A vigorous, uniform haze of bubbles indicates degreasing is complete. The lack of bubbling shows remaining oil or grease on the substrate which requires further scrubbing. Repeat until degreasing is complete.

New concrete must be properly cured at least 10 days at 70°F, with 3500 psi compressive strength and 200 psi tensile strength. Laitance must be removed by acid etching, abrasive blasting or other mechanical means.

Existing concrete must be sound with old coatings and topping removed. The surface must be clean and free of oil, wax, paint and other contaminants.

Do not use muriatic acid as the preparation method for cement block (CMU). The desired result is a surface free of contaminants with an abraded texture similar to 60 grit sandpaper. There can be no slick spots, which will inhibit bonding of the material.

CAUTION!

Vertical surfaces are inherently porous and must be sealed prior to application of 8600 System OverKrete 45/65 HDV using Rust-Oleum® BlokFil™. Follow instructions on the label. To avoid bubbling due to outgassing, apply BlokFil in descending temperatures and out of direct sunlight. Work **QUICKLY!** The pot life of BlokFil is only 10 minutes.

MIXING

Note: Before starting, the ambient air, material and concrete surface temperature **MUST** be 45-65°F (7-18°C) at the time of application. For temperatures outside the proper range, consult Rust-Oleum Technical Service department. The 25 square foot kit requires a five gallon electric bucket mixer having side and bottom scraping action. Do not mix with a Jiffler, Hanson or other propeller type mixer as air will be induced, thereby causing bubbles in the coating.

Mixing should not proceed until all equipment is ready for use. Otherwise premature thickening will occur. Pour Part “A” (Resin) and Part “B” (Activator) into the five gallon container and mix for 1 minute. Add Part “C” (Sand) and mix for an additional 1 to 2 minutes. Immediately pour the material onto a piece of plywood or mortar board to prevent heat build-up and premature thickening.

RUST-OLEUM®**8600 SYSTEM OVERKRETE® 45/65 HDV****VERTICAL/WALL COATING****100% SOLIDS EPOXY WALL COATING****PRODUCT APPLICATION (cont.)****APPLICATION**

Trowel over previously filled areas using a ¼" V-notched trowel. The material should be applied at a thickness of ⅛ inch. Check coverage by assuring that one 25 square foot kit covers 25 square feet. Surface may be smoothed with a clean trowel and a short nap phenolic core roller lightly soaked with xylene. A 3" paint brush may also be used. Working time is 15-30 minutes at 45-65°F (7-18°C). Working time will be shortened by sunlight or heat.

DRY TIME

The surface will be set hard after 6-8 hours and is ready for full physical use after 12-24 hours. Extended chemical exposure should be avoided for four days.

CLEAN UP

Equipment can be cleaned with xylene, IPA or Krud Kutter Cleaner/Degreaser if done immediately. If the vertical material has hardened on equipment, it should be soaked overnight in methylene chloride.

SAFETY

OverKrete 45/65 HDV contains amine curing agents and epoxy resins. 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 SHEET

Safety Data Sheets are available. It is strongly recommended that they be read by all persons handling OverKrete 45/65 HDV.

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/1000 cycles = 30 mg.

FILM HARDNESS, SHORE D

METHOD: ASTM D2240
TYPICAL VALUE: 85

EPOXY WALL COATING	TECHNICAL DATA	CP53
	8600 SYSTEM OVERKRETE® 45/65 HDV VERTICAL/WALL COATING 100% SOLIDS EPOXY WALL COATING	

PHYSICAL PROPERTIES

		8600 SYSTEM OVERKRETE 45/65 HDV VERTICAL/WALL COATING
Resin Type		Polyamine Converted Epoxy
Pigment Type		Varies depending on color
Solvents		Benzyl alcohol
Weight*	Per Gallon	9.6-9.7 lbs.
	Per Liter	1.15-1.16 kg
Solids*	By Weight	100%
	By Volume	100%
Volatile Organic Compounds*		<160 g/l (1.33 lbs./gal.)
Recommended Dry Film Thickness (DFT) Per Coat		125 mils (1/4" thickness)
Wet Film to Achieve DFT		125 mils (1/4" thickness)
Practical Coverage at Recommended DFT		25 square feet per kit
Mixing Ratio		7.5 : 1 base to activator by volume
Induction Period		None
Pot Life @ 70-80°F (21-27°C) & 50% Relative Humidity		15-30 minutes. Higher temperatures and larger quantities of activated material will significantly reduce pot life
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Touch	4-6 hours
	Set Hard	6-8 hours
	Full Cure**	12-24 hours
Shelf Life		1 year
Flash Point		>140°F (60°C)
Safety Information		CAUSES NOSE, THROAT, EYE AND SKIN IRRITATION. CAUSES EYE AND SKIN BURNS. HARMFUL IF SWALLOWED. MAY CAUSE ASTHMA, SKIN SENSITIZATION OR OTHER ALLERGIC RESPONSES. FOR INDUSTRIAL OR COMMERCIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. SEE THE PRODUCT SAFETY DATA SHEET (SDS) AND LABEL WARNINGS FOR ADDITIONAL SAFETY INFORMATION

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

*Activated material

**Coating achieves its full physical and chemical resistant properties.

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