RUST-OLEUM®

5499 SYSTEM
CONCRETE PATCHING COMPOUND

DESCRIPTION AND USES

A two-component epoxy based compound for patching concrete floors.

For repairs to cracks and damaged areas. No priming required and results in an extremely hard surface that is up to three times stronger than concrete.

This product complies with USDA FSIS regulatory sanitation performance standards for food establishment facilities. This coating is impervious to moisture and easily cleaned and sanitized.

APPEARANCE

Flat, Gray Finish

PRODUCTS

5499A (Base) and 5499B (Activator)

COMPATIBLE TOPCOATS

3990 High Build Acrylic Elastomeric
5010 Light Duty Water-Based Acrylic Clear
6000 System Moderate-Duty Water-Based Epoxy Floor Finishes
6500 System 100% Solids Epoxy
9100 System High Performance Epoxy
V2300 System Inverted Striping Aerosol

PRODUCT APPLICATION

SURFACE PREPARATION

CONCRETE AND MASONRY: Concrete areas which require patching should be free of dirt, oil, grease and other contaminants and loose or unsound material. Remove all dirt, grease, oil, salt and other contaminants by washing the surface with Industrial Pure Strength 3599 Cleaner/Degreaser. Etch with 108 Cleaning & Etching Solution to promote optimum adhesion. Rinse thoroughly and promptly with fresh water and allow to dry. Scrape and wire brush or power tool clean to remove loose or unsound concrete, masonry or deteriorated coating. New concrete or masonry must cure 30 days before repair. Properly prepared concrete should be dry, free of all contaminants and loose cement and have a uniform texture similar to 200 grit sandpaper.

PRODUCT APPLICATION (cont.)

MIXING

With a clean trowel, spatula or putty knife, measure out equal amounts of 5499A and 5499B onto a flat surface. Avoid cross contamination of unused material, clean tool of first component before inserting into second component. Mix the two components together, kneading until a uniform gray color and putty-like consistency are reached. Mix only the amount that can be applied in 30 minutes.

APPLICATION

Apply only when air and surface temperatures are between 50-100°F (10-38°C) and surface temperature is at least 5° above the dew point.

Press mixed Concrete Patching Compound firmly into place with a putty knife or trowel. Keep the tool wet while working the material and featheredges to obtain a smooth surface. On deep vertical repairs, use two separate applications to avoid sagging.

This product can tolerate application to slightly damp surfaces, however, standing water should be removed before application and conditions must be favorable to allow the moisture to evaporate.

EQUIPMENT RECOMMENDATIONS

TROWEL: Application is easier if trowel is kept wet, either with water or 160 Thinner at all times.

THINNING

Do not thin

CLEANUP

160 Thinner or MEK

Form: 2038990
Rev.: 041514

RUST-OLEUM®

TECHNICAL DATA

5499 SYSTEM CONCRETE PATCHING COMPOUND

PHYSICAL PROPERTIES

		5499 CONCRETE PATCHING COMPOUND
Resin Type		Polyamide Converted Epoxy
Pigment Type		Silicon Dioxide, Calcium Silicate, Polyethylene fiber, Magnesium Silicate
Weight*	**Per Gallon**	15.4 lbs. (Part A: 15.6 lbs, Part B: 15.2 lbs)
	Per Liter	1.85 kg (Part A: 1.87 kg, Part B:1.82 kg)
Solids*	**By Weight**	94%
	By Volume	94%
Volatile Organic Compounds		<5 g/l
Mixing Ratio		1:1 Base to Activator (by volume)
Induction Period		None Required
Practical Coverage at Recommended DFT (assumes 15% material loss)		12.5 sq.ft./gal. @ 1/8" thickness ($0.30\ m^2/l$)
Pot Life @ 70°F (21°C) & 50% Relative Humidity		50 minutes
Dry Times at 70°F (21°C) and 50% Relative Humidity	**Tack-free**	2-3 hours
	Recoat	16 hours
	Foot Traffic	16 hours
	Vehicle Traffic	72 hours
Dry Heat Resistance		140°F (60°C)
Shelf Life		5 years
Safety Information		**WARNING. HARMFUL IF INHALED. CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. FOR INDUSTRIAL OR COMMERCIAL USE ONLY. REFER TO MATERIAL SAFETY DATA SHEET AND LABEL FOR ADDITIONAL SAFETY INFORMATION.**

*Activated Material
Calculated values are shown and may vary slightly from the actual manufactured material

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