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.

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

PACKAGING

Two 1-gallon containers packaged as a kit yields 2 gallons.

PRODUCT APPLICATION (cont.)

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 feather edges 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.

THINNING

Do not thin

CLEANUP

160 Thinner or MEK

EQUIPMENT RECOMMENDATIONS

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

Form: 2038990
Rev.: 04/08

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%
Practical Coverage at Recommended DFT (assumes 15% material loss)		12.5 sq. ft./gal. (0.3 m²/l.) @ 1/8" thickness
Mixing Ratio		1:1 Activator:Base (by volume)
Induction Period		None Required
Pot Life @ 70°F (21°C) & 50% RH		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	Flash Point	Flashpoint greater than 140°F (60°C) Setaflash
	Warning!	**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

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.

RUST-OLEUM® INDUSTRIAL BRANDS

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

Phone: 877•385•8155
www.rustoleum.com/industrial

Form: 2038990
Rev.: 04/08