RUST-OLEUM®

PENETRATING PRIME & SEAL™ PRIMER

DESCRIPTION AND USES

Penetrating Prime & Seal Primer is a two-component, high solids epoxy resin polymer designed for use with thin film epoxy floor coatings.

PRODUCT FEATURES AND BENEFITS

- Designed to penetrate bare concrete to secure a strong bond between the floor coating and the concrete substrate. Penetrating Prime & Seal Primer also seals small voids and pinholes to help reduce the risk of bubble formation in the topcoat caused by expanding air trapped in these voids, also known as outgassing.
- Penetrating Prime & Seal Primer can be applied to properly mixed and placed new concrete that has been cured for 10 days* at a minimum of 70°F. The bond strength of the Penetrating Prime & Seal Primer to the concrete will exceed the tensile and shear strengths of the concrete itself.
- Cures adequately for topcoating in 6-8 hours at 70°F.

*Consult Rust-Oleum Technical Service Department to verify conditions prior to application.

PRODUCTS

Penetrating Prime & Seal Primer is available in 3 colors, packaged in two sizes: 1-Gallon Kit (200-265 sq. ft.) and a 5-Gallon Kit (800-1,325 sq. ft.). Coverage is based on 6-8 mils. Coverage will vary based on the surface texture and porosity of concrete.

1-Gal.	5-Gal.	DESCRIPTION
237354	237355	Natural
237363	237364	Light Gray
237369	237370	Super Light Gray

PRODUCT APPLICATION

SURFACE PREPARATION

NEW CONCRETE: Laitance must be removed by muriatic acid etching, diamond grinding or shot blasting. On concrete that has been cured with curing compounds or has a burned in finish, shot blasting or abrasive blasting is required.

EXISTING CONCRETE: Concrete must be sound, and old coatings and toppings must be removed. Concrete must be clean and free of previous coatings, oil, wax, paint and other contaminants. Water soluble contaminants can be hosed off with water. Water-insoluble materials will require the use of a cleaner degreaser or some other method of removal.

Concrete must be visibly dry at time of application.

PRODUCT APPLICATION (cont.)

MIXING

Note: Before starting, ensure that the material, concrete surface, and the ambient air are all 65-90°F.

Mixing ratio: 1.5:1 (Part A: Part B by volume)

Mix Penetrating Prime & Seal Primer Part A and Part B together, at a ratio of 1.5:1 by volume, using a Birdcage or Jiffler mixer mounted on an electric hand drill. Do not mix by hand. **Do not mix more than 1 or 2 gallons at a time, to allow sufficient working time.**

APPLICATION

Penetrating Prime & Seal Primer is applied to the prepared concrete surface using a rubber squeegee. Product should be pulled tight with squeegee and then back rolled with a ⅜" nap phenolic core roller. Application of more than 8 mils wet may cause bubbling. One gallon of activated material will cover approximately 200-265 square feet. Rate of application will vary depending on the surface roughness and porosity.

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.

If there are any questions on the use of this product, please consult our Technical Service Department.

SAFETY

Penetrating Prime & Seal Primer 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.

SAFETY DATA SHEETS

Safety Data Sheets are available upon request. It is strongly recommended that they be read by all persons handling Penetrating Prime & Seal Primer.

EPOXY FLOOR PRIMER	TECHNICAL DATA	CP-30

RUST-OLEUM® Concrete Protection Systems

PENETRATING PRIME & SEAL™ PRIMER

PHYSICAL PROPERTIES

		PENTRATING PRIME & SEAL PRIMER
Resin Type		Polyamine Converted Epoxy
Pigment Type		Titanium dioxide
Solvents		Benzyl Alcohol, Isopropyl Alcohol
Weight*	**Per Gallon**	8.9-9.3 lbs.
	Per Liter	1.07-1.11 kg
Solids*	**By Weight**	86.0-86.9%
	By Volume	83.3-84.0%
Volatile Organic Compounds*		<175 g/l (1.46 lbs./gal.)
Recommended Dry Film Thickness (DFT) Per Coat		4.0-6.5 mils (100-162.5µ)
Wet Film to Achieve DFT		6.0-8.0 mils (125-200µ)
Practical Coverage at Recommended DFT		200-265 sq.ft./gal. (4.9-6.5 m^2/l)
Mixing Ratio		1.5:1 base to activator by volume
Induction Period		None
Pot Life		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		Topcoat after 6-8 hours of cure
Preparation Required for Topcoat	**Immediately**	None required
	Up to 48 hours	Prior to additional topcoats, removal of dust, debris and contaminates is required. The surface must be clean and dry prior to proceeding with additional coatings.
	Beyond 48 hours	Light scuff sand, and clean as described above.
Shelf Life		2 year
Safety Information		For additional information, see SDS

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

RUST-OLEUM
Rust-Oleum Corporation
11 Hawthorn Parkway
Vernon Hills, Illinois 60061

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

Form: GDH-304
Rev.: 120820