RUST-OLEUM CONCRETE SAVER PRO

FLOOR UNDERLAYMENT

DESCRIPTION AND USES

Concrete Saver Pro Floor Underlayment is a single-component, cement based, free-flowing, self-leveling compound specially designed for easy application over concrete floors as an underlayment for subsequent placement of floor coverings. It is suitable for use as a repair and leveling course and may be applied at thicknesses from featheredge to 1" (25 mm) neat. Floor Underlayment may be used as an indoor, light-duty (foot traffic only) wearing surface, when protected by a Rust-Oleum epoxy/urethane system. Ideal for leveling interior or exterior (see precautions/limitations) sound concrete surfaces, leveling wood subfloors, over radiant heat systems, and indoor light duty wearing surface (see precautions/limitations).

PRODUCT FEATURES AND BENEFITS

- Fluid consistency for ease in application
- Self-leveling for smooth, flat floors
- Pumpable through standard equipment
- Minimal shrinkage and outstanding resistance to cracking
- High early strength for early turnaround
- Excellent bond strength
- Outstanding self-healing properties
- Meets ASTM E 84 - 13a Surface Burning Characteristics of Building Materials as a class A or I building material

PRODUCTS

SKU	DESCRIPTION (Gray)
392537	50 lb. bag

PRODUCT APPLICATION

READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING PROJECT

SURFACE PREPARATION

Concrete surfaces must be structurally sound, free of loose and deteriorated concrete and free of dust, dirt, paint, efflorescence, oil, and all other contaminants. Mechanically abrade the surface to achieve a surface profile equal to CSP 3 - 5 in accordance with ICRI Guideline 310.2. Thoroughly clean profiled area.

MIXING

All materials should be in the proper temperature range of 60 to 90 ºF (16 to 32 ºC). Single bags of Floor Underlayment may be mixed in a pail with a drill and "jiffy" mixer at low speeds to avoid entrapping air into the mixed product. Larger projects are best mixed and placed with standard grouting or self-leveling equipment. Add the correct amount of water, 6.0 to 6.5 qt (5.7 to 6.2 L) per bag and then add the dry product. Do not use excessive water, which will cause bleeding or segregation. UNDER NO CIRCUMSTANCES USE MORE THAN 6.5 QT (6.2 L) OF WATER PER 50 LB (22.7 KG) BAG.

PRODUCT APPLICATION (cont.)

MIXING (cont.)

Mix a minimum of 3 minutes. If bucket mixed, the product should be quickly transported to the repair area and placed immediately.

APPLICATION

Featheredge to 1" (2.5 cm) neat. For applications over 1" (25.4 mm) in thickness, add 20 to 25 lb. (9.1 to 11.3 kg) of 3/8" (9.5mm) pea gravel to extend the initial layer (Note: Self-healing and flow properties will decrease with addition of pea gravel). Placement options include screeding or the use of pre-placed aggregate. Apply a bond coat to the surface of the initial layer and place additional underlayment to achieve the final smooth surface.

Placement: The product must be continuously placed to provide a smooth and uniform surface. Start in one corner placing a continuous stream of material along one edge of the area and back lap as soon as possible for a uniform, smooth surface. Tools such as spiked rollers, notched squeegees, trowels, and smoothers may be used to assist placement. If placing over radiant heat systems, ensure the system is off and cool prior to installation. Place Floor Underlayment as described above and allow to fully cure prior to turning the system on.

Finishing: This product is self-leveling and requires no finishing or troweling operation.

Curing and Sealing: Floor Underlayment does not require curing with standard methods for most applications. Under hot, windy, or rapid drying conditions, the use of an evaporation retarder is recommended during placement to minimize rapid evaporation and plastic shrinkage.

CURING

Initial set time is approximately 45 minutes. Final set time is approximately 1 hour. Full cure will take approximately 28 days depending on the depth of repair.

CLEAN-UP

Remove excess material with a cloth and wash with water before the product sets.

LIMITATIONS

Do not use Floor Underlayment as a heavy-duty wearing surface for industrial floors. If used as an indoor, light-duty wearing surface, the use of a Rust-Oleum clear epoxy topcoat is recommended for added wear resistance. Floor Underlayment is not a vapor barrier and will allow free passage of moisture. Do not add admixtures or calcium chloride. Do not use if ambient temperatures will fall below 40 °F (4 °C) within 72 hours after placement. Contact and rely upon floor covering manufacturer for specific requirements regarding maximum moisture content, adhesive selection and intended end use of the product prior to application of floor coverings. Store in a dry place.

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PERFORMANCE CHARACTERISTICS

NOTE: The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

Compressive Strength (ASTM C109) 2" (50 mm) cubes

4 hours	900 psi
24 hours	2000 psi
7 days	3000 psi
28 days	3500 psi

Shrinkage (ASTM C157)

24-hour cure - -0.040%

Flexural Strength (ASTM C348)

7 days – 550 psi
28 days – 600 psi

Surface Burning Characteristics (ASTM E84-13a)

Flame spread index – 0
Smoke developed index - 5

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PHYSICAL PROPERTIES

		FLOOR UNDERLAYMENT
Composition		Portland Cement
Solids	**By Weight**	100%
	By Volume	100%
VOC		0 g/l
Mixing Ratio		0.45 - 0.50 gal (1.7 - 1.9L) water per bag
Induction Period		None required
Working Time		Approximately 15 minutes
Practical Coverage*	**50 lb. bag**	1/16" depth – 99.8 sq. ft. 1/8" depth – 49.9 sq. ft. 1/4" depth – 24.9 sq. ft. 3/8" depth – 16.6 sq. ft. 1/2" depth – 12.4 sq. ft. 3/4” depth – 8.3 sq. ft. 1” depth – 6.2 sq. ft.
Curing Time @ 60-70ºF (16-21°C) and 50% Relative Humidity	**Initial Set**	Approximately 45 minutes
	Final Set	Approximately 1 hour1
	Full Cure	Approximately 28 days depending on depth of repair
Storage		Store in dry conditions
Shelf Life		1 year in original, unopened package
Safety Information		See SDS

*The coverage rates are approximations based on yield of a 50 lb. unit mixed at standard consistency.