

Simply Topcoat Traffic Membrane

A Two Component, 100% Solids, Solvent Free, Rapidly Curing Aliphatic Topcoat

Description

Simply Topcoat is a two-component, fast-setting, rapid-curing, solvent-free, 100% solids, hybrid aliphatic topcoat. Simply Topcoat can be applied to properly prepared interior or exterior concrete, plywood and metal surfaces. It is suitable for single or multiple applications, in temperatures as low as 20°F (-6.6°C) and is insensitive to moisture. Be sure to use the right product grade that complies with VOC regulations as per federal, state, statutory bodies, county and city regulations/codes at the place of installation of product.

Features

- Non Gassing
- Solvent Free
- Environmentally Safe
- Meets USDA Criteria
- Can Be Applied At Any Thickness
- Coats Green (Vented) Concrete
- Seamless
- Recoatable
- Good Chemical Resistance

Typical Uses

- Heavy Duty Vehicular Decks
- Pedestrian Decks
- Mechanical Room Floors
- Kennels

Colors

Gray.

Custom colors are also available. Minimum order of 500 gallons. See color chart for special provisions.

Preparation

- Install a 100-200 sqft (9.30-18.58 sqm) mock up of the system to be installed and approve for aesthetics, color, texture, actual coverage rates and functionality before proceeding. Use approved primer for inter-coat adhesion between existing urethane coatings.

- Surfaces shall be broomed clean, dry, sound and free of voids, bugholes, rockpockets, honeycombs, protrusions, excessive roughness, foreign matter, frost, ice and other contaminants which may inhibit application or performance of the waterproof coating system.

- Use suitable abrasive methods, remove residue of form release, curing compounds, chemical retarders, and other surface treatments, mortar smear, saw-cutting residue, mill scale, rust, loose material and other contaminants from concrete, masonry, and ferrous metal surfaces to receive the work in this section. Depending on the condition of the deck a minimum of 3,500 to 5000 psi powerwash may be acceptable or shotblasting. Contact Simply Waterproofing for project specific recommendations.

CONCRETE

- Provide a surface with a smooth finish, followed by a fine-hair broom.

- All previous concrete patches must be sounded and inspected for acceptability prior application of Topcoat.

- Unsound patches are to be replaced for acceptability prior to application of the coating.

- Concrete surfaces require a medium sandpaper finish equal to or greater than an ICRI CSP #3.

- Surface preparation may be completed by shotblasting or the use of Simply Profile and Etch cleaner. Peel and adhesion tests are recommended.

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Technical Data

Dry Film Thickness, Exclusive of aggregate, Per Coat @ 1 gal/100sqft	15 ± 2 mils 381 ± 50 microns
Mix Ratio	A:B - 10:1
Pot Life at 75°F (24°C) at 50% RH	30 ± 10 minutes
Cure Time at 75°F (24°C) at 50% RH	2-4 hours
Viscosity at 75°F (24°C)	A-Side: 2500-4000 B-Side: 50-100
Specific Gravity	A-Side: 1.09 ± 0.1 B-Side: 0.94 ± 0.1
Solids by Weight ASTM D-2369	94 ± 2%
Solids by Volume ASTM D-2369	94 ± 2%
Hardness, ASTM D-2240 Shore A	85 ± 5
Tensile Strength, ASTM-D412	3200 ± 10% psi
Percent Elongation, ASTM D-412	450 ± 10%
Adhesive Peel Strength on Primed Concrete; ASTM D-903	40 ± 10% pli (7.0 ± 10% kNm)
Moisture Vapor Transmission, ASTM E-96	1.54 perms
Water Absorption, ASTM D-471	1.3% by weight
Tear Resistance, ASTM D-624	300 ± 20 pli (52.6 ± 7.0 kNm)
Volatile Organic Compounds, ASTM D-2369-81	<0.125 lbs/gal <15 gm/liter
U.V. Stability. Q Panel Weather-O-Meter	2000 Hours (No Cracking or Crazing; No Physical Damage)

HEALTH AND SAFETY INFORMATION IS GIVEN IN THE SAFETY DATA SHEET (SDS) AND THE PRODUCT DATA SHEET AVAILABLE FOR THIS PRODUCT. THESE SHOULD BE READ AND UNDERSTOOD BEFORE USING THIS PRODUCT.

Mixing

Before application, pre-mix Side-A of Simply Topcoat using a mechanical mixer at slow speed. Add Side-B of Simply Topcoat and continue mixing until a homogeneous mixture and color is obtained. Use caution not to whip air into the material as this may result in pinhole blisters and/or shorter pot life. Box the last gallon(s) of the last used batch numbers with the new batch number to prevent hue or shading variation.

Application

Apply Simply Topcoat evenly, over the entire deck using a 10:1 ratio machine or hand mixed material. Apply by notched squeegee or notched trowel over the entire deck.

Requires a continuous coating application to minimize lines and/or streaking. To obtain, proper adhesion between coats, it is imperative that recoating be completed within 24 hours.

Refer to individual Systems Description under System Specifications Section of the Simply Catalog or website for specific coverage rates.

Coverage rates and cure times will vary depending on temperature, relative humidity, surface roughness and porosity, aggregate selection and embedment, and application technique. Coverage rates provided are optimal and are not guaranteed.

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Curing

At 70°F (21°C) and 50% relative humidity, allow each coat to cure a minimum of 2-4 hours. If more than 24 hours passes between coats, reprime the surface with PSI Primer before proceeding.

At 70°F (21°C) and 50% relative humidity, allow a minimum 48 hours before permitting light pedestrian traffic and at least 72 hours before permitting heavy pedestrian or vehicular traffic on the finished surface.

Simply Topcoat is sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes. Do not use Simply Topcoat Accelerator with Topcoat, an already fast curing material.

Packaging

4.4-gallon kit: One 5 gallon (net 4 gallons, 15.1 liters) pail of Side-A and one 1/2 gallon (net 0.4 gallon, 1.50 liters) jar of Side-B.

SYMPLY WATERPROOFING products support sustainable and energy-efficient building practices, including efforts toward achieving LEED® certification (LEED® for New Construction & Major Renovations, LEED® for Core and Shell, LEED® for Existing Buildings and LEED® for Homes).

For Technical Support contact Simply Waterproofing via email at: info@simplywaterproofing.com or visit www.simplywaterproofing.com.

Equipment Cleanup

Equipment should be cleaned with an environmentally - safe solvent, as permitted under local regulations, immediately after use.

Storage

Simply Topcoat has a shelf life of one year from date of manufacture when stored indoors at a temperature between 60°F to 95°F (15°C to 35°C) in original, factory sealed containers.

Limitations

- Surfaces must be dry, clean and free of foreign matter.
- May chalk, fade and discolor over time.
- Containers that have been opened must be used as soon as possible.
- Do not dilute under any circumstance.
- The following conditions must not be coated with Simply deck coating systems: On grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pans, suspended pool decks, swimming pools, magnesite, light weight concrete, asphalt, surfaces and asphalt overlays.

WARNING: This product contains Isocyanates.

This product is considered Dangerous Goods. DOT regulations classify it as Side-B: UN 1760, Corrosive Liquid, N.O.S. (Contains Amine), Class 8, PG III.