

FLEXDECK PRIMER

Two-Component, High Solids, Epoxy-Polyamine Filler Surfacer Primer



REVISION : 04/19/2022

TECHNICAL DATA SHEET

DESCRIPTION

FlexDeck Primer is a two component, high solids, liquid applied, epoxy-polyamine filler surfacer with unique characteristics of sealing pores in concrete.

FEATURES

- » Low Odor
- » High Solids
- » Solvent Free
- » Excellent Adhesion

TYPICAL USES

- » Concrete
- » Steel
- » Polyurethane Elastomeric Surfaces

TECHNICAL DATA

PACKAGING	2 Gallons Kit : One 1 gallon (3.78 liters) can of Part-A +One 1 gallon (3.78 liters) can of Part-B 10 Gallons Kit : One 5 gallons (18.9 liters) pail of Part-A + One 5 gallons (18.9 liters) pail of Part-B
COLOR	PART A: Black PART B: White
COVERAGE	The approximate coverage is 1 gallon/200 sq.ft. (0.20 l/sqm) or 200 sq.ft. gallon. Coverage rate will depend on surface roughness and porosity.
DRY FILM THICKNESS PER COAT	7 ± 1 mils 48 ± 25 microns
MIXING RATIO	1A : 1B
POT LIFE AT 75°F (24°C), 50% RH	40 minutes
HARDNESS, ASTM D-2240	70 ± 5 Shore D
SPECIFIC GRAVITY	PART A: 1.34 ± 0.1 PART B: 1.96 ± 0.1
TOTAL SOLIDS BY WEIGHT, ASTM D-2369	94.5 ± 2%
TOTAL SOLIDS BY VOLUME, ASTM D-2697	91.4 ± 2%
VISCOSITY AT 75°F (24°C)	3000 ± 200 cps
VOLATILE ORGANIC COMPOUNDS, ASTM D-2369-81	0.46 lb/gal 55 gm/liters

SURFACE PREPARATION

Old concrete Concrete surface must be cleaned. BLASTRAC, sand blasting, diamond grinder w/30 grit or coarse, or water blasting is highly recommended to remove surface contaminants. Any oils and fats must be removed prior to product application. Acid etching may be required (followed by a thorough rinsing) to open the pores of the concrete to accept a primer. Do not apply to wet substrates. Chloride, moisture, and pH levels should be checked prior to application.

New concrete The concrete should be allowed to cure for a minimum of 30 days. Compression resistance of concrete must be at least 25 MPa (3625 lb/inch²) after 28 days and traction resistance must be at least 1,5 MPa (218 lb/in²). BLASTRAC, sand blasting, diamond grinder w/30 grit or coarser or acid etching (followed by a thorough rinsing) is required to remove the surface laitance that appeared during the curing process.

MIXING

The volume mixing ratio is 1 part A to 1 part B (1A:1B). Do not mix in an up and down motion. FlexDeck Primer Part-A and Part-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material. The combined components should be thoroughly mixed using a mechanical mixer at slow speed.

APPLICATION

FlexDeck Primer should be used on rough or porous concrete, or when outgassing is a concern. FlexDeck Primer can be applied using a flat squeegee, phenolic resin core roller, trowel or airless spray.

FINISHING

Allow FlexDeck Primer to become tack free before applying the coating. Approximate tack free time is 3-5 hours at 75°F (24°C) and 50% relative humidity. If the primer has been allowed to remain tack free for more than 12 hours, it is necessary to solvent wipe surface with VOC-compliant solvent and re-prime the surface.

Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F (3°C) above the dew point.

FlexDeck Primer is very sensitive to heat. Higher temperatures will significantly accelerate the cure time and pot life. Use caution in batch sizes and thickness of application. Low temperature will extend the cure time.

CLEANING

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

STORAGE

FlexDeck Primer has a shelf life of 1 year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS

Not UV stable. FlexDeck Primer should be coated within 12 hours after it has become tack free. Surfaces must be dry, clean and free of foreign matter. Containers that have been opened must be used as soon as possible. FlexDeck Primer is difficult to clean up after it has cured. Do not dilute FlexDeck Primer. Mix no more material than can be used within 20 minutes.

Warning: This product contains Epoxy Resin and Curatives.

DISCLAIMER: All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and FLEX DECK COATINGS makes no claim that these tests or any other tests, accurately represent all environments. © 2022 FLEX DECK COATINGS. All rights reserved.