Optima COATINGS

DATA SHEET

FLOORING

Duratop SF Primer

Optima's Duratop SF Primer is a solvent-free, two part, epoxy concrete floor primer. Duratop SF Primer has the ability to cure under cold conditions and can be used internally and externally. The primer has a low viscosity and very good penetration into concrete.

Colours: Neutral Colour

PRODUCT USES

- For priming concrete substrates, epoxy mortars and cementitious screeds.
- For normal and highly absorbent surfaces.
- A universal primer for the Optima Coatings Duratop range of epoxy and polyurethane floor coatings and screeds.
- Used as a binder for levelling mortars and screeds by adding various sized aggregate and applying as a scratch coat.

ADVANTAGES

- Low viscosity.
- Good penetration.
- Solvent free.
- Short overcoating times.
- For internal and external use.
- Ease of application.

COVERAGE

- 6m² per litre per coat. When applied in a 1 coat application with a total dry film thickness of 167 microns.
- 3m² per litre per coat. When applied in a 2 coat application with a total dry film thickness of 334 microns.
- 0.5 – 1 m² per litre when applied with aggregate (size dependant) as a levelling mortar.

SURFACE PREPARATION

- The compressive strength of the floor should be greater than 25 N/mm² with a minimum pull off strength of 1.5 N/mm².
- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease.
- New and aged cement: Mechanically prepare the substrate by using one of the following most appropriate methods - shotblasting/scarifying/scabbling/grinding if the surface to be coated is contaminated or is not showing an open textured finish.
- Sealed and oily or otherwise contaminated concrete: Optima Coatings Duratop primers nor topcoats will adhere to oily surfaces. Remove the oily concrete by shotblasting/scarifying/scabbling to expose a fresh layer. The rougher the surface the better the adhesion achieved in the place of a chemical bond.
- Repairs to the substrate being cracks, blowholes, voids and surface levelling must be carried out using Optima Coating's Durafix and Duramortar range of products.
- Ensure the floors high spots have been removed by mechanical methods.
- Finally before application of Optima Coatings Duratop SF Primer remove all dust and loose material by using an industrial vacuum.

APPLICATION

- Ensure areas not to be coated are masked off and that all tests for adhesion have been completed.
- Prior to application ensure that the floor moisture content is below 4%.
- Stir Part A mechanically for 30 seconds to a minute and then add Part B and mix for 3 minutes until a uniform mix is achieved. Use a low

speed electric stirrer or other suitable equipment.
- Apply the primer with a roller, brush or squeegee as per above coverage rates. Ensure a continuous pore free coat covers the floor.
- In porous areas a further coat of Duratop SF Primer may be necessary to ensure a uniform appearance.
- The number of coats needed of Duratop SF Primer will depend on the porosity of the substrate.
- When Duratop SF Primer is used as a levelling mortar with aggregate as a scraper coat then apply using a trowel or squeegee.

CLEANING

- Clean tools and equipment using Xylene or MEK.
- Once the Duratop SF Primer has cured it can only be removed by mechanical means.

SAFETY PRECAUTIONS

- Once mixed use within 30 minutes.
- Protect from moisture and do not expose to temperature above 50ºC.
- As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product is fully cured or dried).
- Treat splashes to eyes and skin immediately.
- If accidentally ingested, seek immediate medical attention.
- Use in well ventilated areas and avoid inhalation.
- Keep away from children and animals.
- Reseal containers and dispose of as per local regulations.

TECHNICAL DATA

Pack Size	70kg (2 x 25kg Part A and 1 x 20kg Part B)
Number of components	Two pack
Touch drying time	5-6 hours at 25ºC, 50% relative humidity
Overcoating time	Ideal: 12 - 24 hours at 25ºC at 50% relative humidity Max: 48 hours at 25ºC at 50% relative humidity
Volume solids	100%
Pot Life	30 minutes at 25ºC, 50% relative humidity
Application temperature	10ºC to 30ºC
Density	1,093 g/cm³
Thermal decomposition	No decomposition below initial boiling point
Toxicity	Toxic in uncured state
Cleaner	Xylene or MEK
Shelf life	12 months
Storage conditions	Cool dry place below 25ºC

Properties listed are for guidance and are not a guarantee of performance.

Technical details above are provided in good faith. We are an ISO 9001: 2008 registered company and our products are manufactured to the highest standards using raw materials of superior quality. Consequently we believe in the quality of our products and will willingly replace any product in the unlikely event of a quality related performance failure. Whilst we are confident in guaranteeing the quality of our products, we cannot however accept any liability for performance failure due to the incorrect application of our products. Correct application is critical to the successful performance of our products and as this process falls outside of our control we are unable to cover the application under our product performance warranty. Where there are doubts, it is recommended that the user conduct their own suitability tests before use. To retain sheen and colour consistency of your paint, always make sure that the batch numbers are the same on all paint containers that you purchase.

Updated: March 2013 (this supercedes all previous publications)