



PRITHVI GRIPCOAT

Category: Two-Component Polyamine-Cured Epoxy Anti-Skid Coating [3:1]

1. PRODUCT DESCRIPTION

PRITHVI GRIPCOAT is a two component abrasion polyamine cured epoxy coating. Specially designed as an anti-skid coating. Suitable for approved primers or directly on concrete substrates.

2. RECOMMENDED USES / APPLICATIONS

Can be used on staircases, heli-decks, walkways, ramps, weighbridge decks, and decks in general where abrasion resistance and non-slip properties are required.

- Staircases
- Heli-decks
- Walkways
- Ramps
- Weighbridge decks
- Other infrastructure and extraction industries
- Decks in general (where abrasion resistance & non-slip properties are required)

3. AVAILABLE COLOURS

Clear, Grey, Green, Black, Yellow, Carpet Red

4. PHYSICAL & CHEMICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD / STANDARD
Solids by Volume	65 ± 5	ISO 3233
Gloss Level (60°)	Semi-gloss (35 – 70)	ISO 2813
Flash Point	35°C	ISO 3679 Method 1
Specific Gravity	1.40 ± 0.20 kg/l	Calculated
VOC (Solvent Emission)	161 g/kg	SED (1999/13/EC)

The data above is typical for factory-produced product, subject to slight variation depending on colour. All data is valid for mixed paint.

5. SURFACE PREPARATION

To secure lasting adhesion to the subsequent product, all surfaces shall be clean, dry and free from any contamination.



Coated Surfaces	Clean, dry and undamaged compatible coating (ISO 12944-4: 6.1); prepared to P Sa 2½ (ISO 8501-2).
Concrete	Low pressure water washing to a rough, clean, dry and laitance-free surface. Minimum 4 weeks curing; moisture content maximum 5%. Prepare the surface by means of enclosed shot blasting or diamond grinding, and other appropriate means to abrade the surrounding concrete and remove laitance.

6. APPLICATION DETAILS

Application Method (Spray)	Gravity Feed Hopper Gun or other suitable equipment. Consult Prithvi Coatings for additional information, as required.
Mixing Ratio (Comp A : Comp B)	3 : 1 by volume
Thinner / Cleaning Solvent	Epoxy Thinner (as recommended) — for cleaning purposes only, if required.
Airless Spray – Nozzle Tip	31 (inch/1000)
Airless Spray – Minimum Pressure at Nozzle	4 bar

7. DRYING & CURING TIME

Substrate Temperature	10°C	23°C	40°C
Surface (Touch) Dry	8h	5h	3h
Walk-on-Dry	24h	14h	6h
Dried to Overcoat (min.)	28h	14h	6h
Dried / Cured for Service	14d	7d	2d

Drying and curing times are determined under controlled temperatures and relative humidity below 85%, and within the recommended DFT range of the product.

- Surface (touch) dry: the state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness; dry sand sprinkled on the surface can be brushed off without sticking or causing damage.
- Walk-on-dry: minimum time before the coating can tolerate normal foot traffic without permanent marks.
- Dried to overcoat, minimum: the shortest time allowed before the next coat can be applied.
- Dried/cured for service: minimum time before the coating can be permanently exposed to the intended environment/medium.

8. INDUCTION TIME & POT LIFE (AT 23°C)

Induction Time	10 minutes
Pot Life	2 – 4 hours



9. HEAT RESISTANCE

Dry, Atmosphere — Continuous	120°C
Dry, Atmosphere — Peak (max. 1 hour)	120°C

The temperatures listed relate to retention of protective properties. Aesthetic properties may suffer at these temperatures.

10. PRODUCT COMPATIBILITY

Depending on the actual exposure of the coating system, various primers and topcoats can be used in combination with this product. Some examples are shown below:

Previous Coat	Epoxy, epoxy mastic, zinc epoxy
Subsequent Coat	Epoxy, epoxy mastic, polyurethane

11. STORAGE & SHELF LIFE

The product must be stored in accordance with national regulations. Keep containers in a dry, cool, well-ventilated space away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Comp A (Shelf Life at 23°C)	24 months
Comp B (Shelf Life at 23°C)	12 months

In some markets, commercial shelf life may be dictated shorter by local legislation. The above is minimum shelf life; thereafter the paint quality is subject to re-inspection.

12. CAUTION

This product is for professional use only. Applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coating correctly and according to Prithvi Coatings' technical documentation. Applicators and operators shall use appropriate personal protective equipment when using this product. This guidance is given based on the current knowledge of the product. Any suggested deviation to suit site conditions shall be forwarded to the responsible Prithvi Coatings representative before commencing work.

13. HEALTH & SAFETY

Please observe the precautionary notices displayed on the container. Use under well-ventilated conditions. Do not inhale spray mist. Avoid skin contact. Spillage on the skin should immediately be removed with a suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

14. COLOUR VARIATION

Products primarily meant for use as primers and anti-fouling may have slight colour variations from batch to batch. Such products may fade and chalk when exposed to sunlight and weathering.



DISCLAIMER

The information contained in this Technical Data Sheet is provided in good faith and is based on Prithvi Coatings' current knowledge and testing believed to be reliable. It is intended as a general guide only and does not constitute a warranty of performance, as actual results may vary depending on application conditions, substrate, and equipment beyond our control. Users should conduct their own trials to confirm suitability for their specific purpose prior to full-scale use. Prithvi Coatings reserves the right to amend this data without prior notice as products are continually reviewed and improved. Please ensure you are referring to the most current version of this document.