

PROTECTIVE SEALER COAT

www.gripset.com

TECHNICAL DATA SHEET

techinquiries@gripset.com

Description

Gripset P20 is a high performance solvent free sealer designed for a wide range of uses on exterior and interior surfaces. Based on aliphatic water based polyurethane technology, Gripset P20 exhibits versatility for numerous applications with excellent UV resistant and durable properties on a variety of building substrates, including concrete, metal, timber and plastic.

Features & Benefits

- * Excellent resistance to UV degradation, hydrolysis, carbonation, and oxidation.
- * Excellent chemical and water resistance.
- * Protects concrete from attack by chloride ions, acid gases and sulphates.
- * Trafficable – both vehicular and foot traffic.
- * Provides clear non-yellowing finish coat.
- * Exceptional adhesion properties to building surfaces.
- * Stain resistant and low dirt retention.
- * Protective or repair system over existing acrylic sealers, coatings and paints.
- * Compatible with Gripset membranes/coatings.
- * Solvent free, user friendly and environmentally safe.

Application

- * Gripset P20 is suitable for commercial, industrial and residential applications

Substrates

Substrates suitable for bonding Gripset P20 over include:

- * Concrete facades, columns and supporting structures.
- * Concrete car parks, driveways, walkways.
- * Masonry feature walls, parapets and sea front surfaces.
- * Cementitious coatings.
- * Roof tiles.
- * Concrete and clay pavers/bricks.
- * Timber decking and exposed timber surfaces.
- * General porous and exposed surfaces.

Surface Preparation

All substrates are required to be dry, sound, clean and free of dust, oil, grease and wax residues. Voids, honeycombs and holes should be patched prior to the application using Gripset 11Y / DM patch mortar.

Structurally unsound layers and surface contaminants are to be mechanically removed by abrasive blasting, blast tracking, grinding or equivalent methods. For thorough surface preparation, refer to Gripset SC (algae and moss remover) and Gripset DG (water based oil degreaser) products. If applying product over any existing coatings, contact Gripset Technical Services for compatibility and specific preparation details.

Coverage

Gripset P20 is to be applied in a 2 coat application by brush, roller or spray unit. Each coat is to be applied at a coverage rate of 1 litre/8m² (1 litre/4m² total coverage). On porous, absorbent or rough surfaces this coverage will be reduced.

Apply the 2nd coat in the opposite direction to the 1st coat once it is touch dry.

Note: The moisture content in new concrete or fresh mortar must be less than 8% before commencing the application of Gripset P20.

Drying

- * Touch dry/Recoat: 2-4 hours
- * Dry Film: 8-12 hours
- * Trafficable: foot traffic 24 hours; vehicle traffic 72 hours
- * The above drying times are based on external curing in normal ambient conditions of 23°C. It is expected these drying times will be prolonged when product is used: internally; on dense and non porous surfaces; during humid and cool conditions.

Storage

- * Best stored at room temperature.
- * Avoid cold freezing conditions and off concrete floors.
- * Do not store in direct sunlight and keep away from heat sources.
- * Shelf life is 12 months in original unopened container.

Precautions

- * Treated areas should be protected against heavy rain and frost for the first 48 hours.
- * Do not apply to areas when rain is imminent.
- * Do not apply when surface temperature is below 5°C or above 35°C.
- * Adequate falls are required on horizontal surfaces and floors.
- * Not to be used over any of the following surfaces: wax (or wax residues), glass, fibreglass, chlorinated rubber, over epoxy coatings.
- * This product is not to be used in continuously immersed areas.
- * This product will form a semi gloss finish soon after application is complete, however this will drop off after approximately 2 weeks.
- * Material Safety Data sheet (**MSDS**) available.
- * Check with Gripset Technical Service before applying over any existing coatings to check compatibility and correct surface preparation details.

Clean Up

- * In water while wet.
- * Once dried product needs to be removed mechanically.

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Packaging

* 5 litre and 15 litre pails (with spout); 200 litre drums; 1,000 litre IBC

Technical Data

Form	Liquid
Colour	Wet state – Milky White; Dry – Clear
Specific gravity	1.02kg/litre
Solids Content	28%
pH	7.5 – 8.5
Hardness (ASTM D3346)	>H (after 7 days)
Scrub Ability (ASTM D2486)	> 20,000 times
Adhesion (ASTM D3359)	Grade 1
Weather Resistance (ASTM G23)	>800 hours

Notes

It is recommended before commencing the application; that adhesion of products to be used (e.g. primers, membranes, coatings adhesives etc) is tested over a typical area of the prepared surface to ensure satisfactory adhesion. It is the responsibility of the applicator to carry this out and accept the substrate suitability before any application starts. Gripset Industries offers a service for pre testing adhesion to surfaces for large commercial areas or unusual substrates. For further details contact Gripset Industries.

Details contained in product data sheets are general. For any situation or items not covered in this data sheet, it is the responsibility of the applicator to check with Gripset Technical Services before commencing the application. A written confirmation will then be issued by Gripset Technical Services.

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Product Disclaimer

This Product Data Sheet (PDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this PDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Gripset Industries does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.