

CONCRETE FLOOR FINISH COATING SYSTEM

www.gripset.com

TECHNICAL DATA SHEET

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Description

Gripset E61 is a two component water based epoxy compound suitable for use as a trafficable floor coating over concrete substrates. To prevent moisture penetration and rising damp through mineral surfaces. Low odour, non-flammable and solvent free, Gripset E61 provides resistance against chemicals, oil, petrol, water and abrasion. Gripset E61 provides excellent surface abrasion while providing slip resistance and good cleanability properties. Requiring no priming, Gripset E61 has outstanding adhesion properties over well prepared concrete, ideally suited for areas exposed to high abrasion and traffic.

Features & Benefits

- * Excellent adhesion properties in aggressive environments
- * Water based, low VOC
- * Slip resistant from R9-R12 rating
- * Low odour, suitable for internal areas
- * Non-flammable
- * Clean up with water
- * Stain and chemical resistant
- * Durable and high abrasion resistance
- * Bonds to damp concrete
- * No primer required
- * Standard colour range available, specialty colours can be supplied

Application

- * Gripset E61 is suitable for commercial, industrial, and residential applications

Uses

- * Car parks in multi-level construction
- * Factory floors, warehouses, high traffic activity undercover
- * Plant room floors
- * Shopping centres
- * Aircraft hangars
- * Vehicle storage or show room areas
- * Public floor areas, pavilions, galleries
- * Shops, restaurants and common areas
- * Auto workshops, work bays
- * Wet areas, shower recesses, amenity blocks

Substrates

Substrates suitable for bonding Gripset E61 over include:

- * Concrete
- * Durable cement based screed surfaces

Surface Preparation

Surfaces must be prepared thoroughly before commencing application. All substrates must be structurally sound, stable, dry, and clean. Surfaces must be structurally sound enough to handle traffic the area is intended to, e.g. foot or vehicular. Existing coatings to be removed. Rough surfaces, voids, cracks (non-movement), pitted areas, low points and deformed areas are to be evened or filled first (refer to Gripset 11Y repair mortar).

Building surfaces must be constructed to manufacturer's recommendations and relevant building standards in force at time of membrane application. All surfaces are to be free of sharp protruding surfaces, loose material, efflorescence, de-bonded coatings, curing membranes/agents, release agents, wax residues, foreign particles, laitance, algae and moss, grime, oils, animal fats or grease remains. Structurally unsound layers and surface contaminants are to be mechanically removed by abrasive blasting, blast tracking, grinding or equivalent methods.

Application

Mixing:

1. Lightly stir parts A and B to ensure a homogenous consistency before mixing commences
2. Measuring by volume, add 3 parts of "Part A" to 2 parts of "Part B" into a clean pail or mixing container. Using an electric stirrer with paddle attachment, thoroughly mix the 2 components at low-medium speeds for approximately 5 minutes until a homogenous consistency is formed
3. Allow the product to settle for 10 minutes after mixing before use

Coverage:

Using a 15-20mm nap lambs wool roller at a spread rate of 1Lt/8m² for the first coat, followed by 1Lt/10m² for subsequent coats. A minimum of 2 coats is required, however some applications may require a third coat.

Applications on vertical surfaces are applied at a spread rate of 1Lt/12m²

Ensure good air flow and circulation is present during the first 4-6 hours after application.

Pot life is approx. 2 hours, so mixing should be measured on what will be applied during this period.

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General:

- * Re-coat in 4-6 hours when temperature is 25°C, 50%RH
- * Drying times – foot traffic after 16 hours. Vehicle traffic after 5 days.
- * Full cure is 5-7 days
- * Standard slip resistance is R9. R10-R12 can be formed using Gripset anti-slip additives.
- * Service temperature: -20°C to 90°C
- * Generally recommended for internal areas. For external areas, surface should be covered and not continuously exposed to UV.
- * Do not apply if rain is imminent 6 hours after application
- * Not recommended for continuous immersion, e.g. pools, tanks, spas, water storage.

Storage

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

Packaging

- * Part A – 15Lt plastic pail
- * Part B – 10Lt plastic pail

Precautions

- * Gloves and protection should be used when handling this material
- * Keep containers in well ventilated areas ensuring lids are correctly sealed
- * Ensure adequate ventilation while using and avoid inhalation of vapours
- * Shelf life is 12 months in unopened container
- * Do not apply when surface temperature is below 10°C or above 30°C.
- * Avoid spillage into water courses and drains where possible
- * Material Safety Data sheet (**MSDS**) available.
- * For further information about this product contact technical department of Gripset Industries.

Technical Data

| | |
|---|---|
| Form | Liquid |
| Colour | Wet – colours available Dried – Matt finish Clear semi-gloss top coat available |
| Drying Time: Based on ambient temperatures of 25°C and 50% Relative Humidity <small>*Drying/curing times may be prolonged in cooler temperatures</small> | Recoat: 4-6 hours Full Cure: 5-7 days |
| Pot Life | 2 hours |
| Solids by weight | 45% |
| Mixing ratio: | 1.5 Part A:1 Part B by volume |
| Slip resistance (AS/NZS 4586): | R9 standard. |
| VOC Content | <30 grams/litre |

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.

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