

Hempafloor Prime 800

Product characteristics

Description

Hempafloor Prime 800 is a two component, epoxy primer with superior adhesion properties. It works as a tile grip to ensure a proper adhesion to difficult substrates.

Recommended use

Designed to be used as adhesion primer on non-porous substrates that normally can't be coated e.g. tiles, ceramic, glazed bricks and glass

Features

- Superior adhesion properties
- • Quick drying – can be overcoated after 2 hours at 40°C
- • Easy application with short hair roller or brush
- • High spreading rate

Product safety

Flash point 28°C [82°F]

VOC content mixed product

Legislation	Value
EU	547 g/L [4.56 lb/US gal]
US (coatings)	547 g/L [4.56 lb/US gal]
US (regulatory)	547 g/L [4.56 lb/US gal]

According to specific legislation, see details in the Explanatory Notes available at Hempel website, hempel.com or at your local Hempel website.

Handling

Handle with care. Before and during use, observe safety labels on packaging and paint containers and follow all local and national safety regulations. Always consult Hempel's Safety Data Sheet for this product along with the Product Data Sheet.

Product data

Product code

05300

Product components

Base 05309
Curing Agent 95033

Standard shade / code

Transparent 00000

Gloss

Semi-gloss

Volume solids

35%

Specific gravity

0.9 kg/L [8 lb/US gal]

Reference dry film thickness

20 micron [0.8 mils]

Surface preparation

Cleanliness

- Consult Hempel's separate Surface Preparation Guidelines for more details.
- The surface must be dry and clean prior to application.
- Remove dust, loose material and any other contamination.

New build:

- Consult Hempel's separate Surface Preparation Guidelines for more details.
- Remove dust, loose material and any other contamination.

Maintenance and Repair

- Surface imperfections in the substrate must be fixed/filled before paint application.

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Application

Mixing ratio

Base 05309 : Curing Agent 95033
(1 : 1 by volume)

Before mixing the components, stir them individually to homogeneity. Thinning is not allowed. Do not open or mix the cans before the paint will be applied. The full content of each of the component must be used in the mixing process. Stir the Base (Part A) and continue stirring whilst adding all the contents of the curing agent (Part B) and mix until homogenous.

Cleaner

Hempel's Thinner 08450

Pot life

Product temperature	20°C [68°F]
Pot life	2 hours

Application method

Tool	Application parameters
Brush/Roller	Not Applicable.

Film thickness

Specification range	Low	High	Recommended
Dry film thickness	20 micron [0.8 mils]	20 micron [0.8 mils]	20 micron [0.8 mils]
Wet film thickness	57 micron [2.3 mils]	57 micron [2.3 mils]	57 micron [2.3 mils]
Theoretical spreading rate	18 m ² /L [733 sq ft/US gal]	18 m ² /L [733 sq ft/US gal]	18 m ² /L [733 sq ft/US gal]

Application conditions

- Surface temperature must be above 10°C [50°F] during application and curing.
- Provide adequate ventilation during application and drying.
- To avoid condensation, apply on a clean and dry surface with a temperature that is at least 3°C [5°F] above the dew point.

Relative Humidity:

- Relative humidity must be below 75% during curing.

Application remarks

- The practical consumption factor may vary depending on application conditions, equipment and workmanship.
- Tiles, ceramic, glazed stoneware etc: Remove dust and degrease with an appropriate degreaser, mop with solvent e.g. Hempel's Thinner 08450 or equivalent to obtain a clean surface free of grease, wax and dirt. Let it dry.
- For high gloss porcelain and polished stone it is recommended to apply slight sanding using sandpaper to confirm removing any contamination on the substrate.

Drying and overcoating

Product compatibility

- Previous coat: None or according to Hempel's specification.
- Subsequent coat: Consult Hempel representative for information on approved topcoats. A selection of approved topcoats is available.

Drying time

Surface temperature		20°C [68°F]
Touch dry	hours	3
Fully cured	days	7

Determined for dry film thickness 20 micron [0.8 mils] at standard conditions, see Hempel's Explanatory Notes for details.

Overcoating

Hempel's specification supersedes any guidelines indicated in the overcoating table

Quality name		20°C [68°F]
Atmospheric medium		
Hempafloor Traffic 300	Min	4 h
	Max	12 h

Drying conditions

- To obtain the drying time stated, it is important to maintain sufficient ventilation during application, drying and curing.

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Other remarks

- Epoxy coats have an inherent tendency of chalking in outdoor exposure. This does not affect the performance of the coating.

Storage

Shelf life

Ambient temperature	25°C [77°F]
Base	36 months
Curing Agent	36 months

Shelf life from date of production, when stored in original, unopened containers. Thereafter, the product quality must be re-inspected. Storage at elevated temperatures may reduce shelf life. For advice, please consult Hempel.

Storage conditions

- Temperature must not go below 0°C [32°F] during transport and storage.
- The product must be stored in accordance with Safety Data Sheet, label and local regulations. Keep the containers in a dry, shaded, cool, well-ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Carbon Footprint

Dry film thickness	1 µm	1 mil
GWP (Global Warming Potential)	16.6 g CO ₂ e/m ²	0.086 lb CO ₂ e/ft ²

The carbon footprint is for 1 square meter / square foot of surface area with a dry film thickness of 1 micron / mil.

The scope includes raw materials, in-bound transport to the Hempel factory, Hempel manufacturing processes, and any Volatile Organic Compounds emitted during and after the application of the product.

It is calculated based on the standard shade defined in this PDS. Values may vary with shade.

Additional documents

Additional information is available at the Hempel website <https://www.hempel.com/service-and-support/technical-guidelines> or at your local Hempel website:

- Explanatory Notes for Product Data Sheet.
- Application methods.

This Product Data Sheet ("PDS") relates to the supplied product ("Product") and is subject to updating from time-to-time. Accordingly, the buyer/applicator should have regard to the PDS supplied together with the relevant batch of the Product (and not an earlier version). In addition to the PDS, the buyer/applicator may receive some or all of the following specifications, statements and/or guidelines as listed below or as are available from the Hempel website under 'Products' at www.hempel.com (the "Additional documents"):

No.	Document description	Location/comments
1.	Technical Statement	One-off specific advice provided on request for specific projects
2.	Specification	Only issued for specific projects
3.	PDS	This document
4.	Explanatory Notes to the PDS	Available at www.hempel.com and contain relevant information about the Product testing parameters
5.	Application Instruction	Where available, at www.hempel.com
6.	Generic technical guidelines (e.g. on application and surface preparation)	Where available, at www.hempel.com

In the event of a conflict of information between the PDS and the Additional documents, the order of priority of information shall be in the order as set out above. In such event you should also contact your representative at Hempel for clarification. Furthermore, the buyer/applicator must have full regard to the relevant Safety Data Sheet provided with each Product and which can also be downloaded from www.hempel.com.

Hempel shall not be liable for defects where the application of the Product has not been made fully in accordance with the recommendations and requirements set out in the relevant PDS and the Additional Documents. The information and terms of this disclaimer apply to this PDS, the Additional documents and any other documents supplied by Hempel in respect of the Product. In addition, the Product is supplied and all technical assistance is given subject to Hempel's General Conditions of Sale, Delivery and Service, unless otherwise expressly agreed in writing.