

Hempafloor Decorate 600

Product characteristics

Description

Hempafloor Decorate 600 is a high build, solvent free, crystal clear epoxy coating, suitable for use as a binder and sealer / top coat for decorative floor systems.

Recommended use

Designed to be used in interior decorative flooring systems with unlimited design capabilities: as finish coat for Hempafloor Decorate Quartz and Flakes systems, as resin for Hempafloor Decorate Pigment metallic flooring solutions and as high performance heavy traffic clear epoxy coating.

Service temperature:

- Please contact Hempel for more information.

Features

- Crystal clear, glossy finish.
- Easy to clean and maintain.
- Excellent resistance to impact and abrasion.
- Can be applied to provide a hygienic smooth finish.
- Low odour - LEED compliant in VOC.

Product safety

Flash point 139°C [282°F]

VOC content mixed product

Legislation	Value
EU	15 g/L [0.13 lb/US gal]
US (coatings)	15 g/L [0.13 lb/US gal]
US (regulatory)	15 g/L [0.13 lb/US gal]
Canada	15 g/L [0.13 lb/US gal]
China	15 g/L [0.13 lb/US gal]
Hong Kong	15 g/L [0.13 lb/US gal]
Korea	15 g/L [0.13 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.

For professional use only.

Product data

Product code

45043

Product components

Base 45047

Curing Agent 95043

Standard shade / code

Transparent 00000 *

Gloss

High-gloss

Volume solids

99 ± 2%

Specific gravity

1.1 kg/L [9 lb/US gal]

Reference dry film thickness

300 micron [12 mils]

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Surface preparation

Cleanliness

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

New build:

- Concrete: According to Hempel's Specification.
- Concrete must cure completely; for 28 days minimum.
- Concrete moisture content should be checked in accordance with ASTM D4263 or suitable alternative method.
- Moisture content in the surface must be below 4%.
- Remove dust, loose material and any other contamination.
- Consult Hempel's separate Surface Preparation Guidelines for more details.

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Application

Mixing ratio

Base 45047 : Curing Agent 95043
(70 : 30 by volume)

The full content of each of the component must be used in the mixing process. Before mixing the components, stir them individually to homogeneity. Do not open or mix the cans before the paint will be applied.

Pot life

Product temperature	10°C [50°F]	20°C [68°F]	40°C [104°F]
Pot life	79 min	40 min	10 min

Application method

Tool	Application parameters
Short hair/ Epoxy Roller	Not Applicable.
Spike roller/Notch trowel	Not Applicable.
Rake	Not Applicable.

Film thickness

Specification range	Low	High	Recommended
Dry film thickness	300 micron [12 mils]	800 micron [31 mils]	300 micron [12 mils]
Wet film thickness	300 micron [12 mils]	800 micron [32 mils]	300 micron [12 mils]
Theoretical spreading rate	3.3 m ² /L [130 sq ft/US gal]	1.2 m ² /L [49 sq ft/US gal]	3.3 m ² /L [130 sq ft/US gal]

Relative Humidity:

- Relative humidity must be below 75% during application.

Drying and overcoating

Drying time

Surface temperature	20°C [68°F]
Surface dry	hours 14
Through dry	hours 24
Dry to walk on	hours 24
Fully cured	days 7

Determined for dry film thickness 300 micron [12 mils] at standard conditions, see Hempel's Explanatory Notes for details. Any masking tape used during paint application should be removed while the paint is still in the wet condition.

Drying conditions

- To obtain the drying time stated, it is important to maintain sufficient ventilation during application, drying and curing.
- Condensation on the freshly applied coating should be avoided.

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Overcoating details

- Consult Hempel for specific details

Storage

Shelf life

Ambient temperature	25°C [77°F]
Base	12 months
Curing Agent	12 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

- Product must be stored according to local legislation, at maximum 40°C [104°F], without direct sunlight and protected from rain and snow.

Carbon Footprint

Dry film thickness	1 µm	1 mil
GWP (Global Warming Potential)	8.7 g CO ₂ e/m ²	0.045 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 Certifications and Standards

- Adhesion Strength tested according to ASTM D4541-17
- Tensile Strength tested according to ASTM C307-18
- Flexural Strength tested according to ASTM C580-18
- Compressive Strength tested according to ASTM C579-18
- Abrasion Resistance tested according to ASTM D4060-14
- Shore D hardness tested according to ASTM D2240-15
- Chemical resistance tested according to ASTM D543-14

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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.
- Application Instruction for this product.

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.