

# Hempadur Resin HB

## Product characteristics

### Description

Hempadur Resin HB is a two component epoxy coating with high chemical and mechanical resistance.

### Recommended use

As a finishing continuous coating, non-absorbent, anti-dust, decontaminant, non-skid on all kind of industrial floors, laboratories, parkings, food and pharmaceutical sectors, etc. on epoxy roughness mortars.

### Features

- The characteristics are considered as finishing coat and some of them will be improved
- according to the previous system.
- Low odour.
- High chemical resistance.
- Quick drying and curing.

## Product safety

**Flash point** 90°C [194°F]

### VOC content mixed product

Legislation	Value
EU	46 g/L [0.38 lb/US gal]

VOC values may vary with shade, please consult the Safety Data Sheet, section 9. According to specific legislation, see details in the Explanatory Notes available at Hempel website, [hempel.com](http://hempel.com) or at your local Hempel website. <sup>a</sup>EU Directive 2004/42/CE.

### 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

35860

### Product components

Base 35869  
Curing Agent 97260

### Standard shade\* / code

Transparent 00000

### Gloss

Glossy

### Volume solids

100 ± 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 oil, grease and other contaminants by suitable detergent cleaning.
- Remove salts, detergents and other contaminants by high pressure fresh water cleaning.
- Remove dust, blast media and loose materials by vacuum cleaning.
- The surface must be dry and clean prior to application.
- According to Hempel's Specification.

### New build:

- Concrete must cure completely; for 28 days minimum.
- Remove laitance and efflorescence by water jetting, abrading or blasting.
- Remove dust, blast media and loose materials by vacuum cleaning.
- Moisture content in the surface must be below 4%.
- According to Hempel's Specification.

### Maintenance and Repair

- Surface imperfections in the substrate must be fixed/filled before paint application.
- Areas with filler to be sealed with primer/sealer.
- Moisture content in the surface must be below 4%.
- According to Hempel's Specification.

Consult Hempel's separate Surface Preparation Guidelines for more details.

## Application

### Mixing ratio

Base 35869 : Curing Agent 97260  
(65 : 35 by weight)

It is recommended to use fixed volumes/can size for multi-component products. Stir well before use. 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.

### Thinner

Hempel's Thinner 08450

### Cleaner

Hempel's Thinner 08450

### Pot life

Product temperature	20°C [68°F]	30°C [86°F]
Pot life	30 min	20 min

### Application method

Tool	Thinning max vol.
Roller	10%

### Film thickness

Specification range	Low	High	Recommended
Dry film thickness	100 micron [4.0 mils]	400 micron [16 mils]	300 micron [12 mils]
Wet film thickness	100 micron [4.0 mils]	399 micron [16 mils]	299 micron [12 mils]
Theoretical spreading rate	10 m <sup>2</sup> /L [407 sq ft/US gal]	2.5 m <sup>2</sup> /L [102 sq ft/US gal]	3.3 m <sup>2</sup> /L [134 sq ft/US gal]

Product may be specified in another film thickness than indicated depending on purpose and area of use. This will alter spreading rate, drying and curing time and overcoating interval.

### Application conditions

- Surface temperature must be above 10 °C [50°F] during application and curing.
- Temperature of product must be above 15°C [59°F] during application.

### Application remarks

- In application conditions with low temperatures and/or high relative humidity, condensation or water spillage before full curing of the product may cause carbonation. This effect is only cosmetic and does not affect the properties of the product.

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## Drying and overcoating

### Drying time

Surface temperature		20°C [68°F]
Touch dry	hours	6
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.

## Storage

### Storage conditions

- 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)	6.3 g CO <sub>2</sub> e/m <sup>2</sup>	0.033 lb CO <sub>2</sub> e/ft <sup>2</sup>

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](http://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 <a href="http://www.hempel.com">www.hempel.com</a> and contain relevant information about the Product testing parameters
5.	Application Instruction	Where available, at <a href="http://www.hempel.com">www.hempel.com</a>
6.	Generic technical guidelines (e.g. on application and surface preparation)	Where available, at <a href="http://www.hempel.com">www.hempel.com</a>

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](http://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.