

Hempafloor Fill 200

(Formerly known as Strata Epoxy Floor Filler)

Product characteristics

Description

Hempafloor Fill 200 is a two-component, solvent free epoxy putty-filler.

Recommended use

Designed to fill imperfection irregularities and fairing the surface of interior and exterior concrete floor prior to applying topcoats of the Hempafloor range.

Service temperature:

- Please contact Hempel for more information.

Certificates / Approvals

- Third-party verified, product-specific Environmental Product Declaration (Type III EPD, ISO 14025, EN 15804)

Features

- High strength with non-shrinking feature.
- Filling up till 5mm thickness in one go.
- Excellent chemical resistance.
- Easy to apply.

Product safety

Flash point 126°C [259°F]

VOC content mixed product

| Legislation | Value |
|-----------------|-------------------------|
| EU | 12 g/L [0.10 lb/US gal] |
| US (coatings) | 12 g/L [0.10 lb/US gal] |
| US (regulatory) | 12 g/L [0.10 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

35270

Product components

Base 35279
Curing Agent 95271

Standard shade / code

Light grey 12170 *

Volume solids

99 ± 2%

Specific gravity

1.9 kg/L [16 lb/US gal]

Reference dry film thickness

1000 micron [40 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.

Maintenance and Repair

- Remove dust, loose material and any other contamination.
- Moisture content in the surface must be below 4%.
- Apply primer/sealer prior to application of filler.
- Consult Hempel's separate Surface Preparation Guidelines for more details.

Roughness

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

Application

Mixing ratio

Base 35279 : Curing Agent 95271
(78 : 22 by weight)

The full content of each of the component must be used in the mixing process. Before mixing the components, stir them individually to homogeneity. Stir the Base (Part A) and continue stirring whilst adding all the contents of the curing agent (Part B) and mix until homogenous. In general, thinning is not recommended. 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 | 2 hours | 1 hour | ¼ hours |

Application method

| Tool | Application parameters |
|-------------|------------------------|
| Trowel | Not Applicable. |
| Putty knife | Not Applicable. |

Film thickness

| Specification range | Low | High | Recommended |
|----------------------------|--|---|--|
| Dry film thickness | 500 micron [20 mils] | 5000 micron [200 mils] | 1000 micron [40 mils] |
| Wet film thickness | 506 micron [20 mils] | 5059 micron [202 mils] | 1012 micron [40 mils] |
| Theoretical spreading rate | 2 m ² /L [81 sq ft/US gal] | 0.2 m ² /L [8 sq ft/US gal] | 1 m ² /L [41 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. It is vital that the specified minimum dry film thickness is uniformly achieved. The practical consumption factor may vary depending on application conditions, equipment and workmanship. For best performance, avoid excessive film thickness.

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.
- Increased paint temperatures will significantly reduce the pot life.
- Provide adequate ventilation during application and drying.
- For application and curing at other conditions, please contact your local Hempel representative.

Relative Humidity:

- Relative humidity must be below 75% during curing.

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Application remarks

- Consult Hempel's Application Guidelines and Instructions for more details.
- All cracks and holes should be marked, cleaned, dried and free from any contaminations.
- Small cracks should be opened as V notch.
- Apply the mixed product to the surface with a good quality putty knife or steel trowel.

Drying and overcoating

Product compatibility

- Previous coat: None or according to Hempel's specification.
- Subsequent coat: According to Hempel's Specification.

Drying time

| Surface temperature | | 20°C [68°F] |
|---------------------|-------|----------------|
| Surface dry | hours | 3½ |
| Through dry | hours | 24 |
| Fully cured | days | 7 |

Determined for dry film thickness 1000 micron [40 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.

Overcoating

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

| Quality name | | 10°C [50°F] | 20°C [68°F] | 40°C [104°F] |
|------------------------|-----|--------------------|----------------|-----------------|
| | | Atmospheric medium | | |
| Hempafloor Traffic 520 | Min | 60 h | 24 h | 7 h |
| | Max | 7½ d | 72 h | 22 h |
| Hempafloor Traffic 300 | Min | 60 h | 24 h | 7 h |
| | Max | 7½ d | 72 h | 22 h |

Overcoating times are indicative for products of the same generic chemistry. Consult Hempel's specification for more information.

Drying conditions

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

Overcoating details

- According to Hempel's Specification.
- Consult Hempel for specific details

Other remarks

- The surface must be clean before overcoating.
- Before overcoating, remove any exudation present on the surface.

Storage

Shelf life

| Ambient temperature | 25°C [77°F] |
|---------------------|----------------|
| Base | 24 months |
| Curing Agent | 24 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 15°C [59°F] during transport and storage.

Carbon Footprint

| Dry film thickness | 1 µm | 1 mil |
|--------------------------------|--|--|
| GWP (Global Warming Potential) | 4.1 g CO ₂ e/m ² | 0.021 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.

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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.
- Application Instruction for this product.
- General Application Guidelines

Additional Certifications and Standards

Adhesion Strength tested according to ASTM D4541-09

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.