

Hempel's Profiller 35370

Product characteristics

Description

Hempel's Profiller 35370 is a lightweight epoxy filler, featuring high adhesion and water resistance, when fully cured is easy to sand. Can be applied in coats up to 10-12 mm for a uniform smooth film build.

Recommended use

Hempel's Profiller 35370 is recommended as a filler and fairing compound, especially suitable for profiling large areas and detailed fairing where structural strength is important. It can be used on most primed rigid substrates, above and below the waterline.

Features

- Complete hull profiling. Minimum weight when profiling the surface. Minimum shrinkage during drying. Optimises man-hours.

Product safety

VOC content mixed product

Legislation	Value
EU	52 g/L [0.43 lb/US gal]

VOC values may vary with shade, please consult the Safety Data Sheet, section 9.

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

35370

Product components

Base 35379
Curing Agent 95720

Standard shade / code

Light green 49500

Volume solids

100 ± 2%

Specific gravity

0.7 kg/L [6 lb/US gal]

Reference dry film thickness

2000 micron [79 mils]

Surface preparation

Cleanliness

- Remove oil, grease and other contaminants by suitable detergent cleaning.
- Clean with Hempel's Pre-Clean.

New build:

- Uncoated surface: Sand and remove all dust.
- Prime with 1-2 coats of specified Hempel's Primer.

Maintenance and Repair

- Previously coated surface: Abrade, clean and dry the surface.

Roughness

- Sand to smoothen filler.

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Application

Mixing ratio

Base 35379 : Curing Agent 95720
 (1 : 1 by volume)

Immediately before use, mix equal parts of each of the two components until a uniform colour is obtained. Avoid air bubbles in the mixture.

Thinner

No thinning

Cleaner

Hempel's Thinner 845 08451
 Hempel's Degreaser 99611

Pot life

Product temperature	20°C [68°F]
Pot life	45 min

Application method

Tool	Thinning max vol.
Putty knife	No thinning

Do not use thinner in conjunction with this product.

Film thickness

Specification range	Low	High	Recommended
Dry film thickness	2000 micron [79 mils]	12000 micron [470 mils]	2000 micron [79 mils]
Wet film thickness	2000 micron [80 mils]	12000 micron [200 mils]	2000 micron [80 mils]
Theoretical spreading rate	0.5 m ² /L [20 sq ft/US gal]	0.1 m ² /L [4.1 sq ft/US gal]	0.5 m ² /L [20 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.

Relative Humidity:

- Relative humidity must be below 85% during drying and curing.

Application remarks

- The product can be applied in a thickness up to 12 mm.
- Fair the product whilst it is still possible to make finger prints in the filler.
- Overcoat when dry with 2 coats of recommended Hempel's Primer.
- Topcoat finishes should not be applied directly on top of the product.

Drying and overcoating

Product compatibility

- Previous coat: Recommended product is: Hempel's Premium Primer 17880
- Subsequent coat: Recommended product is: Hempel's Premium Primer 17880

Drying time

Surface temperature		20°C [68°F]	10°C [50°F]
Touch dry	hours	6	12
Ready to sand	hours	24	-
Fully cured	days	7	14

Determined for dry film thickness 2000 micron [79 mils] at standard conditions, see Hempel's Explanatory Notes for details.

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Overcoating

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

Quality name		10°C [50°F]	20°C [68°F]
Atmospheric severe			
Hempel's Profiller 35370	Min	48 h	24 h
	Max	Ext*	Ext
Hempel's Premium Primer 17880	Min	16 h	8 h
	Max	48 h	24 h
Immersion			
Hempel's Profiller 35370	Min	48 h	24 h
	Max	Ext*	Ext
Hempel's Premium Primer 17880	Min	16 h	8 h
	Max	48 h	24 h

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.

Overcoating details

- No maximum overcoating interval, but if the surface has been contaminated by oils and pollutants, thoroughly remove with suitable detergent, rinse with fresh water and allow to dry. Light abrade and remove all dust prior to repainting.

Other remarks

- The surface must be clean before overcoating.

Storage

Shelf life

Ambient temperature	25°C [77°F]
Base	24 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. Always check the best before date or expiry date on the label.

Storage conditions

- Product must be stored according to local legislation, at 5°C [41°F] without direct sunlight and protected from rain and snow.
- The curing agent is sensitive to moisture. Store in a dry place and keep the can tightly closed until use.

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Additional documents

Additional information is available at the Hempel website [hempel.com](https://www.hempel.com) or at your local Hempel website:

- Explanatory Notes explaining the fields in this Product Data Sheet.
- Surface Preparation Guidelines.
- Application Guidelines for different 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.