Hempel's Profair

Product characteristics

Description
Hempel's Profair is a light weight two-component, epoxy filler with good adhesion and water resistance. Easy to sand when fully cured.

Recommended use
Hempel's Profair is suitable for use on glass fibre, hardwood, steel and other rigid materials. For interior and exterior use above and below the waterline.

Service temperature:
- Minimum, recommended by Hempel for dry exposure: -50°C [-58°F].

Features
- As a filler and fairing compound for profiling large areas. For detailed fairing where structural strength and flexibility is required. Can be applied to a film thickness up to 25 mm without sagging.

Product safety

Flash point 94°C [201°F]

VOC content mixed product

Legislation	Value
EU	14 g/L [0.12 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: 35290

Product components: Base 35299 | Curing Agent 98290

Standard shade / code: Light blue 30540

Gloss: Semi-gloss

Volume solids: 98 ± 2%

Specific gravity: 0.8 kg/L [7 lb/US gal]

Reference dry film thickness: 1000 micron [40 mils]

Surface preparation

Cleanliness
- Remove oil, grease and other contaminants by suitable detergent cleaning.

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.

Application

Mixing ratio
Base 35299 : Curing Agent 98290
(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

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Cleaner
Hempel's Thinner 845 08451
Hempel's Degreaser 99611

Pot life

Product temperature	10°C [50°F]
Pot life	2 hours

Application method

Tool	Application parameters
Putty knife	-

Do not use thinner in conjunction with this product.

Film thickness

	Recommended
Dry film thickness	1000 micron [40 mils]
Wet film thickness	1019 micron [41 mils]
Theoretical spreading rate	1 m²/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.

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 25 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:
- Subsequent coat: Recommended product is:

Drying time

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

Determined for dry film thickness 1000 micron [40 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		10°C [50°F]	20°C [68°F]
Atmospheric medium			
Hempel's Profair	Min Max	60 h No max	24 h No max
Immersion			
Hempel's Profair	Min Max	60 h No max	24 h No max

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.

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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. The shelf life printed on product labels is based on regional climate conditions. For advice, please consult Hempel.

Storage conditions

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

Additional documents

Additional information is available at the Knowledge Center: https://www.hempel.com/knowledge-center . The documents below can be found in the Technical Guidelines section: https://www.hempel.com/knowledge-center/technical-guidelines or at the Hempel website.

- Explanatory Notes for Product Data Sheet.
- Application methods.
- Further information: Hempel Yacht Paint Manual and
- hempelyacht.com

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.