Hempel's Infinity

Product characteristics

Description
Hempel's Infinity is a water-based coating formulated to extend the high performance of Hempel's silicone coatings for a further season without the need for repainting.

Recommended use
To recharge the efficiency of previously applied Hempel's Silic One or Hempasil Pro fouling release products.
ONLY apply Hempel's Infinity over Hempel's Silic One or Hempasil Pro in good condition.

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

Features
- Quick and easy seasonal maintenance - no sanding, no masking and no painting

Product safety

Flash point 500°C [932°F]

VOC content

Legislation	Value
EU	0 g/L [0.00 lb/US gal]
US (coatings)	0 g/L [0.00 lb/US gal]
US (regulatory)	0 g/L [0.00 lb/US gal]
Canada	0 g/L [0.00 lb/US gal]
China	2 g/L [0.02 lb/US gal]
Hong Kong	0 g/L [0.00 lb/US gal]
Korea	0 g/L [0.00 lb/US gal]

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: 77505

Standard shade / code: Transparent 00000

Volume solids: 13%

Specific gravity: 1 kg/L [9 lb/US gal]

Reference dry film thickness: 20 micron [0.8 mils]

Surface preparation

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

New build:
- Not for uncoated surfaces.
- Only apply Hempel's Infinity over Hempel's Silic One or Hempasil Pro in good condition.

Maintenance and Repair
- Existing silicone coating: Any repairs to the previous coating must be carried out minimum 24 hours (max. 1 month) prior to application of Hempel's Infinity.

Application

Thinner
Fresh water

Cleaner
Fresh water

Application method

Tool	Application parameters
Brush/Roller	-

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Film thickness

	Low
Wet film thickness	112 micron [4.5 mils]
Theoretical spreading rate	8.9 m²/L [363 sq ft/US gal]

Application conditions
- To avoid condensation, apply on a clean and dry surface with a temperature that is at least 3°C [5°F] above the dew point.

Relative Humidity:
- Relative humidity must be below 85% during application.

Application remarks
- Stir well before use.
- Apply the product liberally ensuring entire underwater area and previous coating is covered.
- Allow the product to infuse with the previous coating for a minimum of 24 hours (48 hours below 10˚C).
- Hose off with fresh water.
- Dispose of residue as normal paint.

Drying and overcoating

Product compatibility
- Previous coat: Recommended products are: Hempel's Silic One 77450 and Hempasil Pro 87850
- Subsequent coat: None.

Drying time

Surface temperature		10°C [50°F]	20°C [68°F]	30°C [86°F]
Surface dry	hours	8	4	2

Determined for dry film thickness 20 micron [0.8 mils] at standard conditions, see Hempel's Explanatory Notes for details. Time to immersion: Minimum: 24 Hours 20°C ; Maximum 1 month

Drying conditions
- To obtain the drying time stated, it is important to maintain sufficient ventilation during application, drying and curing.

Storage

Shelf life

Ambient temperature	25°C [77°F]
Product	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
- Temperature must not go below 5°C [41°F] during transport and storage.
- 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)	4.6 g CO_2e/m²	0.024 lb CO_2e/ft²

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.

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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.

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.