# Hempel's Brilliant Gloss

## Product characteristics

**Description**
Hempel's Brilliant Gloss is a high-gloss alkyd topcoat with excellent colour and gloss retention. Flexible and resistant to salt water and pollutants. Easy application ensures an exceptional finish.

**Recommended use**
For use on wood, steel and glassfibre. For interior and exterior use above the waterline.

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

**Features**
- Premium quality.
- Exceptional levelling.

## Product safety

**Flash point** 40°C [104°F]

**VOC content**

| Legislation | Value |
|---|---|
| EU | 380 g/L [3.17 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.

## Product data

**Product code:** 53200

**Standard shade / code:** Pure white / Off white 10231 *

**Gloss:** Glossy

**Volume solids:** 54 ± 2%

**Specific gravity:** 1.2 kg/L [10 lb/US gal]

**Reference dry film thickness:** 50 micron [2.0 mils]

## Surface preparation

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

New build:
- Uncoated surface: Prepare bare substrates according to Hempel's primer instruction.

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

## Application

**Thinner**
Hempel's Thinner 811 08111

**Cleaner**
Hempel's Thinner 811 08111

**Application method**

| Tool | Thinning max vol. |
|---|---|
| Brush | 5% |
| Roller | 5% |
| Paint pad | 5% |

Keep thinning at an absolute minimum. The product can be applied by spray. Contact Hempel for more information.

* Colour stability may be affected by exposure to chemicals, high temperatures or inadequate ventilation.

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### Film thickness

| | Recommended |
|---|---|
| Dry film thickness | 50 micron [2.0 mils] |
| Wet film thickness | 93 micron [3.7 mils] |
| Theoretical spreading rate | 11 m²/L [448 sq ft/US gal] |

For best performance, avoid excessive film thickness.

### 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 drying and curing.

### Application remarks

- Thinning of the topcoat may be required to ensure proper film formation. Thinning is limited to max. 5%.
- Stir well before use.
- Apply 2-3 coats of the product.
- To obtain a smooth surface, sanding between coats is recommended (remove dust).

## Drying and overcoating

### Product compatibility

- Previous coat: Recommended product is: Hempel's Primer Undercoat
- Subsequent coat: None.

### Drying time

| **Surface temperature** | | **10°C** [50°F] | **20°C** [68°F] |
|---|---|---|---|
| Touch dry | hours | 8 | 4 |
| Ready to sand | hours | - | 24 |

Determined for dry film thickness 50 micron [2.0 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] |
|---|---|---|---|
| Atmospheric medium | | | |
| Hempel's Brilliant Gloss | Min | 20 h | 10 h |
| | Max | 5½ d | 72 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

- If the maximum overcoating interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion.

### Other remarks

- The surface must be clean before overcoating.

## Storage

### Shelf life

| **Ambient temperature** | **25°C** [77°F] |
|---|---|
| Product | 60 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

- 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.

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## Carbon Footprint

| Dry film thickness | 1 µm | 1 mil |
|---|---|---|
| GWP (Global Warming Potential) | 12.4 g $CO_2e/m^2$ | 0.065 lb $CO_2e/ft^2$ |

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.

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 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.