

Hempel's Traffic & Airfield Paint 56880

Product characteristics

Description

Hempel's Traffic & Airfield Paint 56880 is a quick drying paint, based on styrenated alkyd. It cures to a tough coating with good colour stability and is resistant to wear, abrasion, impact and spillage of petrol (gasoline), mineral oils, etc.

Recommended use

As a self priming marking paint for concrete, bituminous/asphalt or similar types of substrates. Can be applied on top of existing coating systems.

Product safety

Flash point 25°C [77°F]

VOC content

Legislation	Value
EU	477 g/L [3.98 lb/US gal]
US (coatings)	477 g/L [3.98 lb/US gal]
US (regulatory)	477 g/L [3.98 lb/US gal]

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

56880

Standard shade* / code

White 10000 **

Volume solids

45 ± 2%

Specific gravity

1.4 kg/L [12 lb/US gal]

Reference dry film thickness

200 micron [8.0 mils]

Surface preparation

Cleanliness

- The surface must be dry and clean prior to application.

New build:

- Asphalt should be cooled down and properly compressed.
- Concrete must cure completely; for 28 days minimum.
- Moisture content in the surface must be below 4%.

Maintenance and Repair

- Remove dust, loose material and any other contamination.
- Surface imperfections in the substrate must be fixed/filled before paint application.
- Use compatible cementitious repair material for major surface imperfections.

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

* Available in White, Black, Yellow and Red.

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

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Application

Cleaner

Hempel's Thinner 08080

Application method

Tool	Application parameters
Airless spray	Nozzle pressure: 150 bar [2200 psi] Nozzle orifice: 0.021-0.023"
Brush/Roller	Not Applicable.

Spray data are indicative and subject to adjustment. Pressure is for a material temperature of 20°C [68°F].

Film thickness

Specification range	Low	High	Recommended
Dry film thickness	200 micron [8.0 mils]	250 micron [10 mils]	200 micron [8.0 mils]
Wet film thickness	447 micron [18 mils]	559 micron [22 mils]	447 micron [18 mils]
Theoretical spreading rate	2.2 m ² /L [90 sq ft/US gal]	1.8 m ² /L [73 sq ft/US gal]	2.2 m ² /L [90 sq ft/US gal]

Application conditions

- Surface temperature must be above 5°C [41°F] during application and curing.
- 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 75% during drying and curing.

Application remarks

- Stir well before use.
- The practical consumption factor may vary depending on application conditions, equipment and workmanship.
- For reflective properties sprinkle glass beads 97770 over wet paint with consumption up to 12Kg of glass beads per 20 liter of paint.
- The beads may be dispensed onto the wet paint surface of the traffic line by the 'drop on method' or incorporated 'pre-mix method' in the paint before application.
- The 'drop on method' gives immediate continuing reflection while 'pre-mix method', traffic abrasion soon exposes the glass spheres and reflection commences and continues.
- If the asphalt is not cooled down and compressed properly, there will be the risk of cracking and lifting of the edges of the paint lines.

Drying and overcoating

Product compatibility

- Previous coat: None.
- Subsequent coat: None.

Drying time

Surface temperature		10°C [50°F]	20°C [68°F]	40°C [104°F]
Surface dry	min	60	30	15
Through dry	min	120	60	30

Determined for dry film thickness 190 micron [7.6 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.

Drying conditions

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

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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. For advice, please consult Hempel.

Storage conditions

- Temperature must not go below 0°C [32°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)	9.3 g CO ₂ e/m ²	0.049 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.

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.

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.