

Maestro Varnish

Product characteristics

Description

Maestro Varnish is a versatile and economical clear alkyd varnish. It has good resistance to weather and wear.

Recommended use

Maestro Varnish is for use on new wood as well as previously varnished wood, interior and exterior.

Product safety

Flash point 31°C [88°F]

VOC content

Legislation	Value
EU	466 g/L [3.89 lb/US gal]
US (coatings)	466 g/L [3.89 lb/US gal]
US (regulatory)	466 g/L [3.89 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.

For professional use only.

Product data

Product code

02110

Standard shade / code

Transparent 00000

Volume solids

41 ± 2%

Specific gravity

0.9 kg/L [8 lb/US gal]

Reference dry film thickness

25 micron [1.0 mils]

Surface preparation

Cleanliness

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

New build:

- Avoid cleaning with steel wool or similar, as this may cause rust stains.
- Sand surface and remove dust between coats for smooth finish.
- New wood/uncoated wood: saturate with suitable wood preservative (except teak and vacuum impregnated wood).
- Moisture content of the wood must be below 16%.

Maintenance and Repair

- Varnished wood: wash the surface with a solution of one part ammonia in six parts of fresh water.
- Note: Ammonia water may discolour oak, mahogany and teak.

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

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Application

Thinner

Hempel's Thinner 08230

Cleaner

Hempel's Thinner 08230

Application method

Tool	Application parameters
Brush	Not Applicable.

Film thickness

Specification range	Low	High	Recommended
Dry film thickness	20 micron [0.8 mils]	30 micron [1.2 mils]	25 micron [1.0 mils]
Wet film thickness	49 micron [2.0 mils]	73 micron [2.9 mils]	61 micron [2.4 mils]
Theoretical spreading rate	20 m ² /L [815 sq ft/US gal]	14 m ² /L [570 sq ft/US gal]	16 m ² /L [652 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.
- Provide adequate ventilation during application and drying.

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 new wood, apply one coat of MAESTRO VARNISH 02110 thinned with 20% THINNER 08230.
- Apply a second coat and third coat of MAESTRO VARNISH 02110 undiluted.
- Apply one or more coats to obtain the desired colour and a uniform appearance.
- Please note that the shade becomes darker after repeated treatment.

Drying and overcoating

Drying time

Surface temperature	20°C [68°F]
Surface dry	hours 6

Determined for dry film thickness 25 micron [1.0 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	20°C [68°F]
Atmospheric mild	
Maestro Varnish	Min 8 h
	Max 7 d

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)	8.1 g CO ₂ e/m ²	0.042 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.