

VB-MATT HP

TECHNICAL DATA SHEET

Product description

VB-Matt HP is a two-component clear acrylic varnish with a high degree of opacity and scratch resistance. It provides excellent protection from ultraviolet rays, from atmospheric agents and gives an excellent aesthetic effect. Its use is recommended where it is necessary to have a finish with excellent protective properties.

Product information

| | | |
|----------------------------------|-------------------------------|-----------------------|
| Product code | W6323 | |
| Finish | Matt (nearly 20 gloss at 60°) | |
| Colour | Colourless .000 | |
| Solids (by volume) | ASTM D2369 | 45 ± 2% |
| Specific gravity | UNI EN ISO 2811-1 | 1,0 g/cm ³ |
| Flash point | UNI EN ISO 13736 | 23 - 55 °C |
| VOC (calculated average content) | ISO 11890-2/2006 | 352 g/l |
| Packaging | 1,5 Lt | |

Application and use








SURFACE PREPARATION

Apply this topcoat on compatible surfaces, with a suitable and uniform colour shade. It is advisable to apply Challenger Pro Clear Matt in an homogeneous way to obtain a constant thickness. As a result, the surface will show a uniform opacity. This procedure allows application on large surfaces. Apply on surfaces treated with the products mentioned in the "Recommended products" section. Surfaces must be clean and prepared in a proper way. Before painting, make sure that all surfaces are perfectly dry, clean and without any trace of contaminants. Make sure that curing has been perfectly carried out before external exposure.

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Application data

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| Mixing ratio by volume |  | 2:1 |
| Mixing ratio by weight Base (comp. A) 6323.000 Hardener (comp. B) 6323.999 |  | 66 w/w 33 w/w |
| Pot-life NB: do not use this product when Pot-life time is exceeded |  | 2 h at 20 °C |
| Thinner/Cleaning tools NB: the indicated dilution % is considered on the catalyzed product |  | 6780 20 – 30% for spray application 6700 5 – 10% brush/roller |
| Application methods |  | Conventional Pressure 3,5 bar Nozzle 1,3 mm N°3 - 4 wet on wet coverage = 40 µm dry |
| |   | |
| Dry film thickness per coat | Standard application range | 35 – 50 µm |
| | Recommended | 40 µm |
| Wet film thickness per coat | Standard application range | 80 – 120 µm |
| | Recommended | 100 µm |
| Theoretical coverage | 40 µm | 11 m ² /l |
| Practical coverage (loss value 30%) | 40 µm | 7.7 m ² /l |
| Recommended products | S-Protect, SB-Protect, VB-Shine | |

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| Note | This product is provided in two tins to be mixed entirely and carefully before use. In case it is required, dilution has to be performed after the mixing of the two components. The physical data of two-component products refer to components that have been already mixed. |
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Drying time

| Temperature °C | 10 | | 15 | | 20 | | 30 | |
|--------------------------------------------------------------------------------------------------------|-----|-----|--------|------|--------|------|--------|-----|
| | Min | Max | Min | Max | Min | Max | Min | Max |
| Wet on wet coverage  | | | 30' | 180' | 20' | 120' | 15' | 60' |
| Sanding  | | | 78 h | | 48 h | | 36 h | |
| Full curing  | | | 7 days | | 7 days | | 7 days | |

N.B. *The drying times and the overcoating intervals increase with higher thickness of the applied film. Always check that the existing painting film is perfectly dry before applying a further product coat.*

CONDITIONS DURING APPLICATION

In order to avoid the formation of condensation, the surface temperature should be at least 3 °C above dew point. During application and curing, the min. ambient temperature must not be lower than 15 °C or higher than 30 °C; substrate temperature must not be lower than 10 °C, since curing is remarkably reduced at lower temperatures.

Application is not advisable when relative humidity exceeds 80%. The term-hygrometric survey should be carried out near the surface to be coated. Make sure there is enough ventilation when the application takes place in closed areas.

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Storage

It is recommended to avoid exposure to air and extreme temperatures. To maximize the shelf life in the can, it is worth checking that the container is well closed during the storage and the temperature is between 10 °C and 35 °C. Avoid exposure to direct sunlight.

Safety rules

Comply with the provisions set by the local health and safety at work regulations. Avoid contact with the skin, for example. Operate in well ventilated places and, if in closed areas, use vacuum cleaners, fans and air conveyors. During the application use appropriate protections (masks, gloves, glasses, etc.). Before using, read sections 7-8 of the SDS.

INSTRUCTIONS FOR THE DISPOSAL OF PRODUCTS AND PACKAGING

Empty packaging that contained products: Dispose of empty packaging according to the requirements of the waste disposal law, for example by taking them to the recycling center. Packages containing the unused products: Dispose of the unused product in accordance with the law of disposal of such waste, for example by taking it to a recycling center, recycling of packaging is prohibited in this case. Do not empty into drains or watercourses. Product packaging must be kept indoor, and the temperature in the storage place must be between 10 °C and 35 °C. Do not expose to sunlight.

Notes

The values indicated in the present technical sheet can have slight variations from one batch to another. All data refer to the mixed product. The applied product must not come in contact with water, chemicals or subjected to mechanical stress before the curing is complete. The wet film thicknesses refer to the undiluted product. With dilution, this value will rise. The above information is the result of accurate laboratory tests and practical experience; however, since the product is predominantly used outside the manufacturer's control, Boero Bartolomeo S.p.A. can only guarantee its quality. The information contained in this sheet may be subject to revision by the Company. For clarification, updates or further information, it is recommended to contact Boero Bartolomeo S.p.A. directly. The present datasheet annuls and replaces every other precedent to this one.

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Recommendations

This material has been tested and meets all batch quality requirements. Boero Bartolomeo S.p.A accepts no liability for any issues concerning any difference in shade that may arise.