


# IMPERIA BREATHE EASY

WB White Matt- K9A0AJ

## Product description

Imperia Breathe Easy-WB White Matt is characterised by its elegant surface formation that results in good scratch resistance and durability. This light fast 1C colour lacquer also features high opacity. The product is suitable for base and top coating with a wide field of application. Given its low solvent content, this product is also suitable for "Green Building" projects. It is additionally classified as flame retardant under DIN EN 13501-1

## Areas of application

For all interior designs in residential settings on suitable woods, pigment fillers, primers and priming foils after corresponding sanding. For furniture surfaces throughout all interiors; for stairs, doors, ledges, etc.

## Surface Preparation

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|---|---|
| Surface preparation | Clean, well-seasoned wood, or clean, suitable laminate base, free from oil, grease, wax and silicones. Sanded as prescribed and free from sanding dust. Matching pigment filler, sanded as prescribed and free from sanding dust. The quality of the intermediate sanding is decisive for the final surface. |
| Substrate sanding grits from-to | 120 - 400 |
| Lacquer sanding (grit) from - to | 280 - 320 |
| Comments on sanding | Along with the MDF quality and the film quality, the quality and uniformity of the wood sanding, MDF sanding or foil sanding, as well as the lacquer sanding, are critical for the quality of the final surface. After sanding, remove dust as prescribed. |

## Times

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| conditions of transport | 10 - 30 °C |
| Drying | 4 h / 20 °C |
| Subsequent coating within | 4 h / 20 °C |
| Stackable after | > 16 h / 20 °C |
| Complete drying | 24 h / 20 °C |

## Application

| Application | Nozzle size in mm | Spray pressure in bar | Atomising pressure in bar |
|---|---|---|---|
| Spraying | | | |
| Airless | 0,23 - 0,38 | 100 - 120 | |
| Air mix | 0,23 - 0,38 | 60 - 100 | 1,5 - 2,5 |
| Compressed air spraying | 1,5 - 2,0 | 2,5 - 4 | |

## Processing instructions

When directly coating cleaned or sanded foils, please apply a test coat to check the bonding! Can be coated over: after 3 - 4 hours at 20°C room temperature and with adequate air circulation with another coat of the same or with a matching clear product. Clean tools with water.

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## Technical Data

| | |
|---|---|
| Flow time (+/- 15 %) | 33 s / DIN 53211 - 6 mm |
| Appearance | opaque |
| Decopaint basis | WB |
| Decopaint category | I |
| Form of delivery | fluid |
| VOC EU % | 3 % |
| VOC FR | C |
| Storage temperature | 10 - 30 °C |
| Shelf life in weeks | 52 |
| conditions of transport | 10 - 30 °C |
| Working temperature | 20 °C |
| Number of coats (max) | 3 |
| Amount per layer (minimum) | 80 g/m² |
| Amount per layer (max) | 130 g/m² |
| Total application volume | 400 g/m² |

## Particular Instructions

Woods rich in active substances, such as ash, which tend to discolour when coated with pastel-coloured. Pre-priming is possible depending on the required finish and carrier material, When top coating coloured lacquer surfaces there may be changes in the colour tone. Please conduct a test coat! The bond on sanded laminate surfaces should be checked on the basis of a sample coating under practical conditions, because the quality of the laminate has a significant influence on the bond of the subsequent lacquer system! When used on staircases (treads) we recommend finishing the colour lacquer surface with Imperia Breathe Easy-WB White Matt or Imperia Breathe Easy-WB Clear Gloss.

## Sample Process

Laminated MDF cabinet, semi matt, white. Sanding: grit 280 with subsequent dust removal. Basecoat: 1 x 200 - 250 g/m² Imperia Breathe Easy-WB White Filler. Drying: at least 5 h / 20 °C, better 16 h / 20 °C room temperature and with adequate air circulation. Intermediate sanding: grit 400 with subsequent dust removal. Top coat: 1 - 2 x 100 - 130 g/m² Imperia Breathe Easy-WB White Matt. Intermediate drying: for 2-coat lacquering at least 4 h / 20 °C room temperature and with adequate air circulation. Intermediate sanding: lightly smooth with 400 grit and subsequent dust removal. Thorough drying: at least 24 h / 20 °C room temperature and with adequate air circulation

## General Information

When working with HYDRO materials, parts that come into contact with the material must be made from stainless steel. The moisture content should be between 8 - 12 %. Do not apply or dry HYDRO lacquers at material or room temperatures below 18 °C. The ideal humidity for application lies between 55 and 65 %. During the lacquering process, a humidity level that is too low leads to surface defects (such as shrink cracks, etc.). Excessive humidity during the drying phase may drastically lengthen the drying time! In order to avoid adhesion problems, please sand the lacquered surfaces freshly before coating and apply lacquer to the sanded surfaces as soon as possible. When applied to foils, etc., please use a sample coating on the respective substrate to check the adhesion! The ideal complete hardening of lacquered surfaces that have been flashed off is reached at temperatures over 20 °C up to no more than 40 °C. Adequate, draft-free air exchange must be assured. The complete hardening of the lacquer will be reached after one week of proper storage (at least 20 °C room temperature). Woods containing large amounts of natural oils, such as teak, can negatively influence adhesion under certain circumstances. Water-soluble wood ingredients such those in ash and tannins in woods such as oak may cause colour changes and discolourations in the coating. We recommend that you always conduct a sample lacquering to evaluate the colour effect, adhesion and drying process under real conditions!

Our technical information is continually adapted to keep up to date with the latest technology and statutory regulations. The indicated values are no specification, but typical product data. The latest version is always available online at www.hesse-lignal.de or talk to your local account manager. This information is for advice and is based on the best knowledge available and careful research in line with the current state of the art. This information cannot be held as legally binding. We also refer you to our terms and conditions of business. Safety data sheet is provided in accordance with EC regulation no. 1907/2006.

Version No: BPP1/08/2021. Please note that this data sheet supersedes all previous versions.

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