

IMPERIA BREATHE EASY

WB White Filler - K9A0AI

Product description

This 1C isolation primer is formulated to be thixotropic and have good body. It is therefore ideally suited as a primer for closed-pore lacquer structures with good hold on vertical surfaces. This isolation primer is water-based and can be machine sanded. It can be subsequently coated using both HYDRO colour lacquers and CN or PU colour lacquers. Imperia Breathe Easy-WB White Filler in combination with Imperia Breathe Easy-WB White Matt is classified as flame retardant under DIN 4102 B1, certified under "Dubai Green Building" and classified under DIN EN 13501-1.

Areas of application

For all interior fittings in living areas, on an extremely wide range of wood types, priming foils and MDF, and MDF including edges. For furniture surfaces throughout all interiors; for stairs, doors, ledges, etc.

Surface Preparation

Surface preparation	Clean, dry wood, free of oil, grease, wax and silicones. Sanded as prescribed and free from sanding dust.
Substrate sanding grits from-to	120 - 400
Lacquer sanding (grit) from - to	280 - 400
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.

Finishing

Recoatability: Can be coated over after sufficient drying time and intermediate sanding,

Times

conditions of transport	10 - 30 °C
Drying	2 h / 20 °C
Stackable after	> 16 h / 20 °C
Complete drying	1 d / 20 °C

Application

Application	Nozzle size in mm	Spray pressure in bar	Atomising pressure in bar
Spraying			
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! Clean tools with water.

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Technical Data

Flow time (+/- 15 %)	27 s / DIN 53211 - 6 mm
Appearance	opaque
Decopaint basis	WB
Decopaint category	I
Density series kg/l	1.368
Yield per coat	5 - 11 m²/l The spreading rate is heavily dependent on the type of application. The specifications relate to a liter of ready-for-use product, if necessary including hardener and thinner.
Form of delivery	fluid
Non-volatile content series %	NaN
VOC EU %	6 %
VOC FR	A+
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)	120 g/m²
Amount per layer (max)	300 g/m²
Total application volume	600 g/m²

Particular Instructions

Woods rich in active substances, such as ash, which tend to discolour when coated with pastel-coloured HYDRO colour systems should always be pre-treated with dual-component primers.

Sample Process

Substrate sanding with e.g. 220 - 280 grit, and subsequent dust removal. Base coat 2 x 130 - 150 g/m² Imperia Breathe Easy-WB White Filler. Intermediate drying: at least 4 h / 20 °C, preferably 16 h / 20 °C room temperature with adequate air circulation. Intermediate sanding: graduating from 240 - 320 grit with subsequent dust removal. Top coat 1 x 110 - 130 g/m² Imperia Breathe Easy-WB White Matt. Packable: after drying for at least 16 h / 20 °C room-temperature 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! With MDF coatings, you can avoid painting faults and edge breaks if you observe the following: Selection of a suitable MDF quality for the area of application. Ideal panel moisture 5 - 7 %. If possible coat the MDF all around, the backs should at least receive a clear coating. Avoid sharp edges and cutaways, round-off wherever possible. Coat edges and cutaways 2x with primers, do not sand through, if need be, prime again. Thick boards that have been created by gluing together several thinner boards are, due to the variance in tension, susceptible to edge ridging. It is better to select a single MDF board of the appropriate thickness. Panels that have been glued together should always be sanded flat at the edges and colourlessly pre-insulated. Any water introduced by gluing must be allowed to evaporate prior to coating. Store primer-coated surfaces in an air conditioned location and apply the final coat in a timely manner.

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.

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BERGER PAINTS INDIA LIMITED

Berger House, 129 Park Street, Kolkata 700 017 | **CONSUMER RELATIONS MANAGER** Ph: 1800-103-6030
Fax: 91-33-2249-9729/9009 | SMS BERGER to 56767 | Email: consumerfeedback@bergerindia.com | www.bergerpaints.com