



Isoprimer 243

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water-based, low odor, with good hiding power, matt, cationic-isolating, for both exterior and interior use

Properties

Water-based, low odor primer with good hiding power. Matt, cationic-isolating, diffusible, with good adhesion, and easy to apply. Prevents penetrating-through of water-soluble discolored wood constituents when white or light topcoats are applied. With excellent isolating effect against soot and nicotine stains. Especially suitable for subsequent system coating with all water-based Brillux enamel paint systems.

Field of application

For isolating prime coats on wooden structures and materials without, with limited or with dimensional accuracy, also with intact old paint coats in both exterior and interior applications. For coniferous and deciduous wood that will be coated with a white or light, covering paint coat, e.g. roof undersides, windows, doors, paneling, etc. Can also be used on mineral substrates in interior areas. Preferred application is in system build-up with Brillux enamel paint systems Lacryl-PU, Hydro-PU-Tec, Hydro-PU-Spray and Hydro-PU-XSpray as well as with Top Coat 871.

Material description

Standard color shade: 0095 white

Gloss grade: matt

Base material: cationic bonding agent technology based on polymerization resin

VOC: EU limit for this product (cat. A/g): 30 g/l (2010).

This product contains a maximum of 30 g/l VOC

Contents: cationic polymerization resin, titanium dioxide, blanc fixe, silicates, water, glycol ether and additives.

Density: approx. 1.4 to 1.45 g/cm³

Packaging: 750 ml, 3 l, 10 l

Use

Thinning

Generally applied without dilution. For spray application, dilute with water, if required.

Tinting

Do not tint.

Compatibility

Do not mix with other types of materials, don't even mix with other water-based products.

Application

Isoprimer 243 can be applied with a paint brush, a roller or by spraying. Ensure sufficient film thickness during application so that existing wood pores are completely covered. Apply several times, if required.

All information for spray application is provided in the table on the next page.

Consumption

Approx. 100 to 130 ml/m² per layer.

Determine the exact consumption by means of a test application on the object to be coated.

Application temperature

Do not apply if air or object temperature is below +5 °C.

Tool cleaning

Clean tools immediately after use with water and soap. After spraying and before a material change, the equipment used must absolutely be cleaned thoroughly to prevent damage to the equipment as well as to the hoses and nozzles.

Drying (+20 °C, 65 % relative humidity)

Dust-dry after approx. 30 minutes. Recoatable in system build-up with water-based coating systems after approx. 6 hours, at the earliest (see note).

Allow longer drying times at lower temperatures and/or higher air humidity.

Spray data

Technique	Nozzle	Spray- ing angle	Supply air/ air volume	Material pres- sure/ material quantity	Thinning	Cross- spraying
Low pressure ¹⁾	Yellow front end ¹⁾	–	50–100 %	Ring setting 6–8	approx. 5 %	1–1½
AirCoat ³⁾	0,011 Inch	40°	1,0 bar (air)	140–150 bar at full power	approx. 8 %	1
Airless ⁴⁾	0,008–0,010 Inch	40°	–	160 bar	approx. 8 %	1

Data is based on a substrate and ambient temperature of +20 °C

¹⁾ Information relating to XVLP technology with Wagner FinishControl FC 3500 or FC 5000.

²⁾ StandardSpray spray attachment (yellow) for all standard enamel paints and woodstains. Also keep the nozzle clean during application. Remove dry paint material with a soft brush. Please follow the instructions of the equipment manufacturer.

³⁾ Information relating to the use of AirCoat nozzles 11/40 (air cap green or blue), e.g. for large-surface applications and nozzle 11/50 with otherwise unchanged settings.

⁴⁾ Information relating to the use of FineFinish nozzles 410 (Trade tip 3 - violet) for, e.g., large-surface applications and nozzle 412 FineFinish violet with otherwise unchanged settings.

Storage

Store in a cool, dry and frost-free location. Reseal opened containers tightly. Only completely emptied containers may enter the recycling system. Dispose of liquid material residues at official used paints disposal facilities.

Declaration
Water pollution classification

Class 1, according to VwVwS.

Product code

BSW20.

Comply with the specifications in the current Safety Data Sheet.

Coating build-up

Substrate preparation

The substrate must be solid, dry, clean, with good adhesiveness, load-bearing and free from separating materials. In accordance with BFS Leaflet No. 18, the moisture content must not exceed 15 % in the case of dimensionally accurate and 18 % in the case of dimensionally inaccurate wooden components. Check intact factory prime coats or intact old coats for their suitability, load-bearing capacity and adhesive properties. Remove any coatings that are defective and unsuitable. Thoroughly sand intact coats. Hazardous particles and vapors may be released while reworking on or removing old paint coats, e.g., as a result of sanding, paint removal by heat gun, etc. Perform such work only in well ventilated areas and ensure the use of appropriate protective equipment (including respiratory protective equipment) as required. Prepare the substrate in accordance with the specific requirements. Also refer to BFS leaflet no. 18, Par. 4 and 5, as well as VOB Part C, DIN 18363, Section 3.

Impregnation

Treat raw exterior wooden structures, if required or necessary due to the type of wood, with Wood Preservative Primer 250. Also refer to BFS Leaflet No. 3 and No. 18, Section 6.

Prime coat

Apply Isoprimer 243 uniformly, generously and unthinned. In the case of constituent-rich wood two prime coats with Isoprimer 243 must be applied. Apply a test coat, if necessary.

Intermediate and top coat

Depending on component/structure, requirements and selection with Lacryl-PU, Hydro-PU-Tec, Hydro-PU-Spray and Hydro-PU-XSpray paint systems or with Top Coat 871.

Notes

Follow safety measures.

When working with varnishes, follow normal safety measures. Keep away from children. During spray application use combination filter A2/P2. When sanding use dust filter P2. Ensure proper ventilation during processing and drying. Do not eat, drink or smoke during application. In case of contact with eyes or skin, rinse immediately with plenty of water. Make sure that the material cannot leak into the sewage system, waters or soil.

Required drying time

In the case of constituent-rich wood, discoloring can occur when the first Isoprimer 243 coat is applied. This discoloring is bound cationically in the paint film. To obtain effective isolation, allow for a sufficient drying time of approx. 6 hours before applying the next coat.

Wood-based panels for exterior use

Due to the present state of the art, wood-based panels are only conditionally suited for exterior coating. Also refer to BFS Leaflet No. 18, Paragraph 2.2.3.

A coating recommendation can only be provided on a case-by-case basis under consideration of the material type and quality, construction and climatic conditions. Please contact the Brillux Consulting Service, as required.

Avoid contact with plasticizers

Keep varnish away from plasticizer-containing plastic materials, e.g. sealing profiles/sealing materials, etc. Use plasticizer-free profiles.

Shelves, table tops, etc.

Coat shelves, table tops, seating furniture, etc. using solvent-based enamel paint systems.

Avoid "coat-on-coat contacts"

Water-based paints behave like thermoplasts. For this reason "coat-on-coat contacts", e.g. stacking, should be avoided.

Further information

Follow the instructions in the data sheets of the products used.

Remark

This Data Sheet has been prepared taking into account the current applicable German laws, standards, specifications and codes of practice. All details have been translated from the current German version. The contents do not form a legal contract. The user and/or the purchaser is not released from the responsibility of checking that our products are suitable for the proposed use. In addition our Terms of Conditions and Payment apply.

When a new version of this Data Sheet appears with updated information the previous version no longer applies. The current version is available on our website.

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