



Permanent Protection Woodstain 580

Dauerschutzlasur 580

aromatics-free high-solid varnish, thixotrope, silk gloss, for exterior and interior use

Properties

Aromatics-free, mild-odor high-solid woodstain on alkyd resin basis without biocide agents. Maximum UV and weather resistance by UV-protection pigments, special UV and radical absorbers. Silk-glossy, highly diffusible, thixotrope and easy to use. Upon request, Permanent Protection Woodstain 580 is available in "Protect Quality" i.e. provided with film protection against fungal attack.

Field of application

For weather-resistant exterior glaze paint coats on all deciduous and coniferous trees. Can be used, as one-pot system for dimensionally accurate wooden components/structures, e.g. windows and doors, and wooden components/structures with limited dimensional accuracy, such as groove and tongue paneling (e.g. roof undersides), garden furniture, shutters, etc. Can also be used in the interior. On moisture-exposed wooden exterior components with limited dimensional accuracy, we recommend the use of Permanent Protection Woodstain 580 in "Protect Quality" (for more information, refer to Note).

Material description

Standard color: 0095 white.

Scala no.	Identification
-	0100 colorless ¹⁾
09.LA.02	1411 pine
09.LA.03	1410 oak
12.LA.05	8412 teak
15.LA.03	8410 walnut
18.LA.04	8415 rosewood

¹⁾ use in interior only

Via the Brillux Color system a variety of other hues can be mixed (color chart "Glazing and Top Paint").

Gloss grade: silk-glossy

Material basis: special alkyd resin, solvent-containing

VOC: EU limit for this product (cat. A/e):

400 g/l (2010)

This product contains a max. of 400 g/l VOC

Flash point: +56 °C

Density: approx. 0.92 g/cm³

Packaging:

Standard colors:

375 ml, 750 ml, 3 l, 5 l

0100 colorless not in 5 l

Color system:

375 ml, 750 ml, 3 l, 5 l

0100 colorless not in 5 l

Use

Thinning

No thinning.

Tinting

All colors can be mixed with one another.

Compatibility

May only be mixed with materials of the same type and the materials specified for this purpose in this data sheet.

Application

Stir thoroughly before use. Apply Permanent Protection Woodstain 580 using a paintbrush (real bristles).

Consumption

Approx. 70 ml/m² per coat. Determine exact consumption by way of a test application on the object.

Application temperature

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

Tool cleaning

After use, clean tools immediately using Thinner AF 631 or Quick-Acting Brush Cleaner 111.

**Drying
(+20°C, 65 % rel. Humid.)**

Non-sticky after approx. 7 hours.
Next coat can be applied after approx. 24 hours.
In the case of lower temperatures and/or higher atmospheric moisture, allow for longer drying time.

Storage

Cool and dry. Close opened containers tightly.

Declaration

Water pollution class
WGK 1, according to VwVwS.

Product-Code
M-KH02.

The data in the current safety data sheet applies.

Building up the coating**Surface preparation**

The substrate must be solid, dry, and clean, with good grip, load bearing and free from any separating agents.
According to 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 components. Remove weathered, grayed wood down to the solid wood. Clean resinous and sticky-greasy wood surfaces using Nitro Thinner 456, provide for proper ventilation. Pre-treat the substrate depending on the requirements, apply prime and/or intermediate coat. Also refer to BFS leaflet no. 18, Par. 4 and 5, as well as VOB Part C, DIN 18 363, Paragraph 3.

Exterior coats on dimensionally accurate wooden components/structures and components/structures with limited dimensional accuracy

Substrates	Impregnation ¹⁾	Prime coat	Intermediate coat	Top coat
untreated, dimensionally accurate wooden components/structures, windows and doors	Impredur Wood Impregnating Primer 550	Permanent Protection Woodstain 580	Permanent Protection Woodstain 580	Permanent Protection Woodstain 580
untreated wooden components/structures with limited dimensional accuracy, e.g. groove and tongue paneling (e.g. underside of roofs), garden furniture, shutters, etc.	Impredur Wood Impregnating Primer 550	Permanent Protection Woodstain 580	if required, Permanent Protection Woodstain 580	
Wooden components/structures with intact woodstain coat	bare wood with Impredur Wood Impregnating Primer 550	if necessary, defective areas with Permanent Protection Woodstain 580		

¹⁾ Refer to BFS Leaflet No. 18, Sections 6 and 7.2.1.

Interior coats on wood

Substrates	Prime coat	Intermediate coat	Top coat
untreated wooden components/structures and materials, interior	Permanent Protection Woodstain 580		
Wooden components/structures and materials with intact woodstain coat, interior	if necessary, defective areas with Permanent Protection Woodstain 580, colorless	if required, Permanent Protection Woodstain 580	Permanent Protection Woodstain 580

Notes
Polishing

We recommend polishing the surfaces between the individual work steps.

Check existing paint coats

Check existing woodstain coats for their bearing capacity (scratch or adhesive tape test). Place a wet cloth on the surface to check if the existing paint coat or the wood has effloresced. If a moist, dark stain forms in the wood after a short time, the weathered wood/paint must be removed down to the solid wood.

Assess woodstain hue

Due to their own color and absorption capacity, the different types of wood have an impact on the hue of the woodstain. For this reason, coat a test surface to verify the color effect, if necessary.

Service life of woodstain coat

The service life of a woodstain coat also depends on the type of structure and the quality of impregnation and priming of the relevant components/structures. Colorless varnish paints cannot be used in the exterior due to insufficient UV-protection.

To maintain the woodstain coating in a good condition we recommend checking and, if necessary, touching up the coating at regular intervals of max. 2 to 3 years, in particular in areas where the coating is exposed to weather impact.

Note vapor pressure gradient

Coating of dimensionally accurate structures/components in vapor pressure gradient areas must be at least as vapor-tight on the inside as the coating on the outside in order to maintain the moisture balance in the wood.

Large-surface applications, interior

For large-surface applications in the interior (e.g. on ceiling and wall surfaces), we recommend using water-dilutable paint systems, e.g. Lacryl woodstain 235, due to the typical smell of solvent-based alkyd resin woodstains. If you have any questions, please contact the Brillux consulting service.

Plate-shaped wooden materials, exterior

According to the state of the art, plate-shaped wooden materials are suitable for coating in the exterior to a limited extent only.

Also refer to BFS Leaflet No. 18, Section 2.2.3.

Coating recommendations can only be made for specific applications, considering the type and quality of the material, the design and climatic conditions. If you have any questions, please contact the Brillux consulting service.

"Protect Quality"

The material quality marked with "Protect" is provided with a film protection against fungal attack and should be used on the exterior only for this reason. The preservatives used minimize the risk of or delay fungal attack. We recommend applying at least two paint coats.

With the current state of the art, a permanent protection against fungal attack cannot be guaranteed (also refer to BFS Leaflet No. 9, Section 6.1, last paragraph).

Brightening technique

Dark painted wooden parts can be by adjusted to brighter windows and doors by means of a "brightening technique". To that end, apply 1 or 2 covering intermediate coats using Impredur Primer 835, with hue matching the wood color. Then apply woodstain as usual and leave "streaky" in direction of grain. In this way, you can also adjust grayed wood to the other components/structures.

We recommend coating a test surface for better assessment of the surface appearance.

Further specifications

Note the additional information in the Data Sheets of the products that are to be applied.

Remark

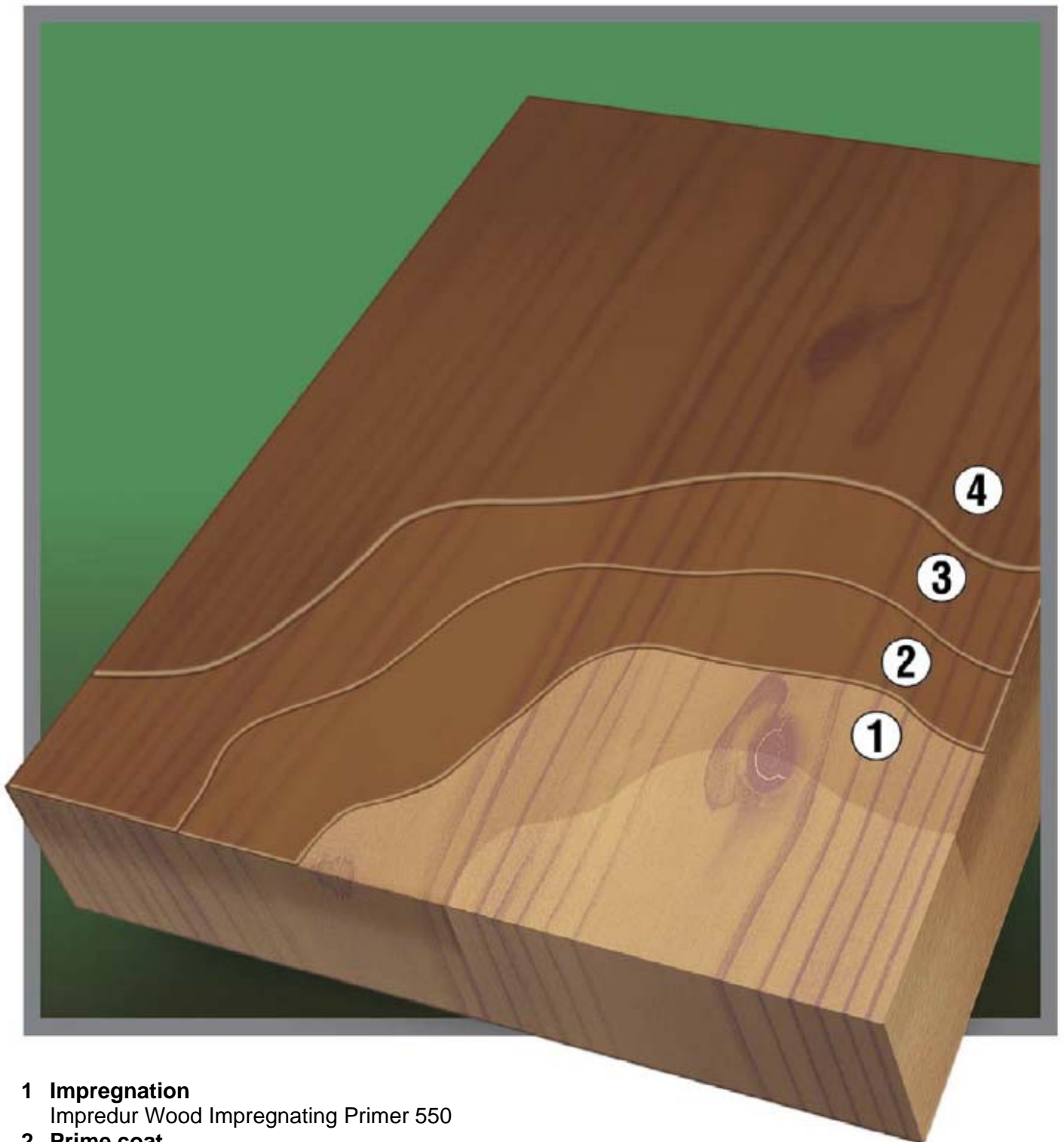
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When a new version of this Data Sheet appears with updated information the previous version loses its validity.

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Illustration

Exterior coats on untreated dimensionally accurate wooden components/structures and components/structures with limited dimensional accuracy



- 1 Impregnation**
Impredur Wood Impregnating Primer 550
- 2 Prime coat**
Permanent Protection Woodstain 580
- 3 Intermediate coat**
Permanent Protection Woodstain 580
- 4 Top coat**
Permanent Protection Woodstain 580