

Impredur Venti Enamel 822

aromatics-free, silk gloss, moisture-controlling, for exterior and interior use



Color System

Basecode

Field of Application

For weather-resistant, moisture-controlling prime, intermediate and top coats on dimensionally accurate structures/components and structures/components with limited dimensional accuracy such as windows, exterior doors, folding and glare shutters, roof undersides, etc. Can also be used for exterior silk gloss coats on primed metal surfaces and for repairing intact enamel paint coats. On moisture exposed wooden exterior components/structures with limited dimensional accuracy, we recommend the use of Impredur Venti Enamel 822 in "Protect" quality (for more information, refer to note).

Properties

- Aromatics-free
- Alkyd resin base
- Silk gloss
- High covering capacity
- Good edge covering properties
- Highly weather-resistant
- Moisture-regulating
- Block-proof
- Optionally available for exterior use in Protect quality (film protection against algae and fungal infestation of the coating)

Material description

Colors	0095 white 0096 antique white Many other color shades can be mixed with the Brillux Color System.
Degree of gloss	Silk-gloss
Base material	Alkyd resin, solvent-based, pigmented
VOC	EU limit for this product (Kat. A/d): 300 g/l (2010) This product contains a max. of 300 g/l VOC
Flash point	+56 °C

Material description

Density	Approx. 1.27 g/cm ³
Packaging	0095 white: 375 ml, 750 ml, 3 l, 10 l 0096 antique white: only 3 l Color System: 750 ml, 3 l, 10l

Use

Thinning	Do not thin, otherwise the EU limit according to VOC directive is exceeded.
Tinting	All colors can be mixed with one another.
Compatibility	Only mixable with similar materials and those specified in this Data Sheet.
Application	Impredur Venti Enamel 822 can be applied by means of a paint-brush or paint roller or by spray application using the tempered AirCoat technology. For detailed information on Air-Coat spray application, refer to the table on the next page.
Consumption	Approx. 80 to 100 ml/m ² per layer. Determine 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 Thinner AF 631 or Quick-Acting Brush Cleaner 111.

Spray data

Technique	Nozzle	Supply air	Material pressure	Thinning	Cross-spraying
AirCoat ¹⁾ material temperature +50 °C ²⁾	09/40 Air cap red	2–2,5 bar	100–150 bar	undiluted	1–1½

The data is based on substrate and ambient temperatures of +20°C

¹⁾ with Finish 230 AC compact Spraypack 3452, for example

²⁾ The flashpoint must be considered. Comply with instructions in the current safety data sheet.

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

Dust-dry after approx. 4,5 hours, Coatable after approx. 12 hours.
Allow longer drying times at lower temperatures and/or higher air humidity.

Storage

Store in a cool and dry place. Reseal opened containers tightly.

Declaration

Product code	BSL20. Comply with the specifications in the current safety data sheet.
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Substrate preparation

The substrate must be solid, dry, clean, with good adhesiveness, load-bearing and free from separating materials. 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. Check existing coatings for their suitability, load-bearing and adhesive properties. Remove defective and unsuitable coatings and dispose of them in accordance with the applicable regulations. Thoroughly sand intact coats. Hazardous particles and vapors can be released while working on or removing coats, e.g. by means of sanding, flame cleaning, etc. Perform such work only in well ventilated areas and ensure the use of appropriate (breathing) protection as required. Depending on the requirements pretreat the substrate, apply prime and/or intermediate coat. Also refer to VOB Part C, DIN 18363, Section 3.

Exterior coats on wood

Substrates	Impregnation ¹⁾	Prime coat	Intermediate coat	Top coat
dimensionally accurate wooden components/structures, untreated: windows and doors	Lignodur Contrabol 550	depending on requirements and selection with Impredur Primer 835 or Impredur Venti Enamel 822	depending on requirements and selection with Impredur Primer 835 or Impredur Venti Enamel 822	Impredur Venti Enamel 822
wooden components/structures with limited dimensional accuracy, untreated: e.g. groove and tongue paneling (e.g. underside of roofs), shutters				
limited dimensionally accurate and dimensionally accurate wooden components/structures with intact, colorless old coat	defective areas with Lignodur Contrabol 550	defective areas with Impredur Primer 835 or Impredur Venti Enamel 822		

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

Interior coats on wood

Substrates	Prime coat ¹⁾	Intermediate coat	Top coat
wooden components/structures, wooden materials, untreated	depending on requirements and selection with Impredur Primer 835 or Impredur Venti Enamel 822	depending on requirements and selection with Impredur Undercoat Tix 120, Impredur Primer 835 or Impredur Venti Enamel 822	Impredur Venti Enamel 822
wooden components/structures, wooden materials, with intact old paint coat	defective areas with Impredur Primer 835 or Impredur Venti Enamel 822		

¹⁾ Depending on the requirements, Enamel Filler 518 can be used in the interior for treating the primed surfaces.

Coatings on iron / steel

Substrates	Prime coat ^{1) 2)}	Intermediate coat	Top coat
iron / steel, exterior, untreated	depending on requirements Multi-Primer 227 (twice) or Metal Primer 850	Impredur Venti Enamel 822	Impredur Venti Enamel 822
iron / steel, exterior, with factory prime coat	defective areas and whole surface with Metal Primer 850 or Multi-Primer 227		
iron / steel, exterior, with intact, bearing old dispersion paint coat	defective areas with Metal Primer 850 or Multi-Primer 227	depending on requirements and selection, Metal Primer 850 or Impredur Primer 835	
iron / steel, interior, untreated	depending on requirements, Metal Primer 850 or Multi-Primer 227	depending on requirements and selection, Metal Primer 850, Impredur Primer 835 or Impredur Undercoat Tix 120	
iron / steel, interior, with factory prime coat	defective areas with Metal Primer 850 or Multi-Primer 227		
iron / steel, interior, with intact, bearing old paint coat			

1) Depending on the requirements, Enamel Filler 518 can be used in the interior for treating the primed surfaces.
 2) On CoilCoating, powder coatings, two-component coats and anodized aluminum, we recommend as a general rule priming with 2K-EP Varioprimer 865 or 2K-EP Varioprimer S 864.

Coating build-up

Coats on zinc, galvanized steel, aluminum, hard PVC

Substrates	Prime coat ^{1) 2)}	Intermediate coat	Top coat
zinc, zined components/structures, exterior, untreated	depending on requirements and selection, twice 2K-EP Varioprimer 865, 2K-EP Varioprimer S 864 or 2K-Aqua EP Primer 2373	Impredur Venti Enamel 822	Impredur Venti Enamel 822
zinc, zined components/structures, interior, untreated	depending on requirements and selection 2K-EP Varioprimer 865, 2K-EP Varioprimer S 864 or 2K-Aqua EP Primer 2373		
aluminum, exterior and interior, untreated	2K-EP Varioprimer 865 or 2K-EP Varioprimer S 864		
hard PVC, exterior and interior, untreated	defective areas, once or twice, with 2K-EP Varioprimer 865, 2K-EP Varioprimer S 864 or 2K-Aqua EP Primer 2373		

¹⁾ Depending on the requirements, Enamel Filler 518 can be used in the interior for treating the primed surfaces.

²⁾ On CoilCoating, powder coatings, two-component coats and anodized aluminum, we recommend as a general rule priming with 2K-EP Varioprimer 865 or 2K-EP Varioprimer S 864.

Notes

No inner furniture surfaces The inner surfaces of furniture and cupboards should not be painted with alkyl resin paints because of possible odor built up.

Initial gloss For technical reasons, the initial gloss is reduced after a couple of days as a result of the curing process.

Abrasion in case of mechanical strain In the case of intensive and dark colors, mechanical stress can cause pigment abrasion on the coat surface. This is state-of-the-art and shall not give rise to complaints.

Large-surface applications in the interior For large-surface applications in the interior (e.g. on ceiling and wall surfaces), we recommend using water-based paint systems due to the typical smell of solvent-based alkyd resin paints, e.g. Hydro-PU-Tec Silk Matt Enamel 2088 or Hydro-PU-Tec High Gloss Enamel 2084. If you have any questions, please contact the Brillux consulting service.

Note for coil coating, powder coating, and anodized aluminum On CoilCoating, powder paint and 2 component coatings as well as on anodised aluminium, we recommend as a general rule priming with 2K-EP Varioprimer 865 or 2K-EP Varioprimer S 864.

Sanding surfaces We recommend sanding the surfaces between the individual work steps. Light sanding is required in particular if a "coat-on-coat" structure is used.

Notes

Design with brilliant or intensive colors	Brilliant, pure intense color shades, e.g. in the yellow, orange, red, magenta and yellow-green range have a low covering capacity. When using critical color shades in these color ranges we recommend applying a full-covering prime and/or intermediate coat in the corresponding base color shade (Basecode). In addition to the standard coating build-up, further coats may be required.
Yellowing of the surface	Absence of daylight (insufficient UV radiation), heat and chemical influences, e.g. fumes from cleaning agents, adhesives, coatings or sealants can result in yellowing of surfaces coated. This is typical of alkyd resin enamel paints and does not constitute a product defect. See also BFS Leaflet No. 26 "Color changes of exterior coatings".
Panel-shaped wood materials, exterior	With current technology, panel-shaped, coated wood materials have limited suitability for exterior applications. See also BFS Information Sheet no. 18, Section 2.2.3. A coating recommendation can only be made in individual cases in consideration of the material type and quality, structure and climatic conditions. If you have any questions, please contact the Brillux consulting service.
Protect quality	Containers marked with "Protect" contain material that is enhanced in the factory by adding film protection against fungal infestation. The material may only be used outdoors. The contained preservatives minimize and/or delay the risk of fungal infestation. The material enhanced by adding film protection must be applied with sufficient layer thickness. We recommend application of at least two layers. With the current state of the art technical development, a permanent protection against fungal infestation cannot be guaranteed.
Cleaning and care	To clean the coated surfaces, use a clean, soft cloth, which is either dry or damp, but without any abrasive, solvent-based or caustic cleaning agents. Avoid applying too much pressure when cleaning (i.e. do not polish the surfaces). First, test the cleaning result in an inconspicuous area. Only clean surfaces that have completely dried and set.
Further specifications	Follow the instructions on the data sheets of the products used.

Remark

This Data Sheet is based on extensive development work and years of practical experience. The translation corresponds to the current German version, in compliance with the German laws, regulations, standards and guidelines. Its content does not constitute a contractual legal relationship. The user/buyer is not released from the responsibility of checking our products to ensure they are suitable for the intended application. In addition, our general terms of business apply.

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

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