

Impredur Silk Matt Enamel 880

aromatics-free, premium quality,
for use outdoors and indoors



Color System

Basecode

Field of Application

For high-quality enamel paint coats on primed wood or metal surfaces in interior areas and exterior environments that are protected against direct weathering, e.g. doors, frames, furniture. Can also be used for renovating intact paint coats and for tinted coats of hot-water radiators (except for all bright color shades).

Properties

- Aromatics-free
- Based on alkyd resin
- Fine silk matt degree of gloss
- Excellent flow properties
- Thixotropic, meaning that it is easy to apply
- Block-resistant
- Perfect surface appearance
- High covering capacity
- Resistant to customary household cleaners
- Complies with EN 71-3 Safety of toys, resistant to saliva and perspiration
- Tested according to requirements of AgBB evaluation schemes

Material description

Colors	Scala No.	Description
	—	0095 white
	—	0096 antique white
	03.18.18	RAL 1021 rape yellow ¹⁾
	27.24.27	RAL 3000 flame red ¹⁾
	60.18.27	RAL 5010 gentian blue
	81.09.30	RAL 6005 moss green
	72.06.30	RAL 7016 anthracite grey
	75.03.12	RAL 7035 light grey

Material description

Colors	Scala No.	Description
	51.03.24	RAL 7037 dusty grey
	15.06.30	RAL 8017 chocolate brown
	03.03.09	RAL 9002 grey white
	93.03.06	RAL 9010 pure white
	–	9900 black
Additional color shades can be mixed with the Brillux Color System. ¹⁾ For these color shades we recommend applying a full-covering base coat in the corresponding base color shade (Basecode).		
Degree of gloss	silk matt	
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	
Density	approx. 1.24 g/cm ³ (white)	
Packaging	Standard: 375 ml, 750 ml, 3 l, 10 l (depends on the color shade) Color System: 375 ml, 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	May only be mixed with materials of the same type and the materials specified for this purpose in this data sheet.
Application	Impredur Silk Matt Enamel 880 can be applied by means of a paintbrush or paint roller and by spray application using the tempered AirCoat technology. For detailed information on the spray application, refer to the table "Spray data".
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

Spray system	Nozzle	Spray angle	Supply air/air quantity	Material pressure/ material quantity	Thinning	Cross-spraying
AirCoat ¹⁾	0,009 Inch	40°	1,5–2 bar (air)	100–150 bar	undiluted	½–1

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

¹⁾ For example Finish 230 AC compact Spraypack 3452 with AirCoat-Düse 9/40 (Air cap red) and material temperature +50 °C. The flashpoint must be considered. Comply with instructions in the current safety data sheet.

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

Dust-dry after approx. 5,5 hours. Recoatable after approx. 16 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.

Coating build-up

- Substrate preparation**
- The substrate must be solid, dry, clean, with good adhesiveness, load-bearing and free from separating agents.
 - 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.
 - Prepare zinc and galvanized surfaces by cleaning with Universal Cleaner 1032 or ammonia alkaline washing fluid (in accordance with BFS Data Sheet No. 5, Section 3.3).
 - Clean bare metal aluminum with Universal Cleaner 1032 and a nonwoven abrasive, then rinse thoroughly with warm water. When treating aluminum, follow the instructions in BFS Leaflet No. 6.
 - Check existing coatings for their suitability, load-bearing capacity and adhesive properties.
 - Remove defective and unsuitable coatings thoroughly and dispose of them in accordance with the applicable regulations 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.
 - Also see VOB Part C, DIN 18363, Section 3.

Exterior coats on wood in the exterior area climate

Substrates	Impregnating ¹⁾	Prime coat	Intermediate coat	Top coat
untreated, dimensionally stable wooden components: windows and doors	Lignodur Contrabol 550	Impredur Primer 835	Impredur Primer 835	Impredur Silk Matt Enamel 880
dimensionally stable wooden components, with intact old enamel paint coat	defective areas with Lignodur Contrabol 550	defective areas with Impredur Primer 835		

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, wooden materials, untreated	Impredur Primer 835	depending on requirements and selection with Impredur Undercoat Tix 120 or Impredur Primer 835	Impredur Silk Matt Enamel 880
wooden components, wooden materials, with intact old enamel paint coat	defective areas with Impredur Primer 835		

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

Coats on iron / steel

Substrates	Prime coat ^{1) 2)}	Intermediate coat	Top coat
iron/steel, in exterior environment, uncoated	depending on requirements, 2x Multi Primer 227 or Metal Primer 850	Impredur Silk Matt Enamel 880	Impredur Silk Matt Enamel 880
iron/steel, in exterior environment, with factory prime coat	defective areas and whole surface with Metal Primer 850 or Multi Primer 227		
iron / steel, in exterior environment, with intact, bearing old enamel 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, uncoated	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, inside, with intact, bearing old enamel 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. The suitability of coil coatings must be verified individually on-site.

Coating build-up

Coats on zinc, galvanized steel, aluminum, hard PVC

Substrates	Prime coat ^{1) 2)}	Intermediate coat	Finish coat
zinc, galvanized components, in exterior area climate, untreated	depending on requirements and selection, twice 2K-EP Varioprimer 865, 2K-EP Varioprimer S 864 or 2K-Aqua EP Primer 2373	Impredur Silk Matt Enamel 880	Impredur Silk Matt Enamel 880
zinc, galvanized components, interior, untreated	depending on requirements and selection 2K-EP Varioprimer 865, 2K-EP Varioprimer S 864 or		
Aluminum (bare metal), exterior and interior	2K-Aqua EP Primer 2373		
hard PVC, exterior, in in exterior area climate and interior, untreated	2K-EP Varioprimer 865 or 2K-EP Varioprimer S 864		
intact, load-bearing coats, exterior, in in exterior area climate and interior	defective areas, once or twice with 2K-Aqua EP Primer 2373, 2K-EP Varioprimer 865 or 2K-EP Varioprimer S 864	depending on requirements and selection, Metal Primer 850, Impredur Primer 835 or Impredur Undercoat Tix 120 (interior only)	

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. The suitability of coil coatings must be verified individually on-site.

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.

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 (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".
Use in ship construction	For use in ship construction, observe the conditions in the EC-Type Examination (Module B) Certificate. The module is available on the Internet as the " EC-type examination certificate for ship construction ". A Declaration of Conformity (DoC) can be requested from the Brillux Consulting Service – tb@brillux.de , stating the batch number to be used.
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 information	Follow the instructions in 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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