Data Sheet

Impredur
High Gloss Enamel 840

aromatics-free, premium quality,
for exterior and interior use

Farbsystem Basecode

Entspricht EN 71-3
Sicherheit von Spielzeug
Speichel- und schweißecht

Field of application

For high-quality enamel coatings on primed wood or metal surfaces, in exterior and interior areas, e.g., windows, doors, fences, wooden paneling, railings and furniture. Also suitable for renovation of intact enamel paint coatings as well as for colored coatings on radiators (all light color shades are excluded from this).

Properties

- Aromatics-free
- Based on alkyd resin
- High gloss
- Excellent color shade and gloss retention
- Resistant to customary household cleaners
- Block-resistant
- Highly weather-resistant
- For interior and exterior use
- Complies with EN 71-3 Safety of toys, resistant to saliva and perspiration
- Easy to apply

Material description

Color shades

Scala No.	Description
–	0095 white
–	0096 antique white
03.18.18	RAL 1021 rape yellow [1)]
27.24.27	RAL 3000 flame red [1)]
54.15.30	RAL 5002 ultramarine blue
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
51.03.24	RAL 7037 dusty grey
15.06.30	RAL 8017 chocolate brown

Material description

Color shades

Scala No.	Description
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).

Gloss grade high-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 +41 °C

Density approx. 1,2 g/cm³

Packaging Standard: 375 ml, 750 ml, 3 l (depends on the color shade)
Color System: 375 ml, 750 ml, 3 l

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 High-Gloss Enamel 840 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 AirCoat spray application, refer to the table on the next page.

Consumption Approx. 80 to 100 ml/m² 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	Supply air	Material pressure	Thinning	Cross-spraying
AirCoat [1)] material temperature +40 °C [2)]	09/40 Air cap red	2–2,5 bar	100–150 bar	undiluted	½–1

The data is based on substrate and ambient temperatures of +20°C.
[1)] For example with Finish 230 AC compact Spraypack 3452.
[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. 6 hours. Recoatable after approx. 24 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. 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. Pretreat, prime and/or apply the intermediate coat to the substrate, as required. Also see VOB Part C, DIN 18363, Section 3.

Exterior coats on wood

Substrates	Impregnating [1)]	Prime coat	Intermediate coat	Top coat
untreated, dimensionally stable wooden components: windows and doors	Wood Preservative Primer 250	Impredur Primer 835	Impredur Primer 835	Impredur High-Gloss Enamel 840
dimensionally stable wooden components, with intact old enamel paint coat	defective areas with Wood Preservative Primer 2500	defective areas with Impredur Primer 835	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
interior wooden components, wooden materials, untreated	Impredur Primer 835	depending on requirements and selection with Impredur Undercoat Tix 120 or Impredur Primer 835	Impredur High-Gloss Enamel 840
interior 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.

Coating build-up

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 High-Gloss Enamel 840	Impredur High-Gloss Enamel 840
iron/steel, in exterior environment, with factory prime coat	defective areas and whole surface (once) 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-Epoxi Varioprimer 865 or 2K-Epoxi Varioprimer S 864.

Coats on zinc, galvanized steel, aluminum, hard PVC

Substrates	Prime coat [1) 2)]	Intermediate coat	Top coat
zinc, galvanized components, exterior, untreated	depending on requirements and selection twice 2K-Epoxi Varioprimer 865, 2K-Epoxi Varioprimer S 864 or 2K-Aqua Epoxy-Primer 2373	Impredur High-Gloss Enamel 840	Impredur High-Gloss Enamel 840
zinc, galvanized components, interior, untreated	depending on requirements and selection 2K-Epoxi Varioprimer 865, 2K-Epoxi Varioprimer S 864 or 2K-Aqua Epoxy-Primer 2373		
aluminum exterior and interior, untreated			
hard PVC exterior and interior, untreated	2K-Epoxi Varioprimer 865 or 2K-Epoxi Varioprimer S 864		
intact, bearing coats, exterior and interior	defective areas, once or twice depending on requirements with 2K-Aqua Epoxy-Primer 2373, 2K-Epoxi Varioprimer 865 or 2K-Epoxi 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-Epoxi Varioprimer 865 or 2K-Epoxi 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.

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.

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“.

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 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. Version I

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