

Lacryl-PU Gloss Enamel 275

Water-based, low emission and low pollutant, PU-modified,
for interior and exterior use



www.blauer-engel.de/uz102

Farbsystem Basecode

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



Field of application

For intermediate and top coats, exterior and interior use, on e.g., wood, wood-based materials, zinc, aluminum, iron/steel (interior use only). Can also be used for colored radiator paint (heat resistant up to +80°C) and hard-wearing coats on small areas in interiors, e.g., on textured substrates such as CreaGlas Fabric, Relief and woodchip wallpaper.

Properties

- Water-based, low emission and low pollutant
- For interior and exterior use
- On an acrylate base, PU modified
- Quick-drying
- Water-vapor-permeable
- Highly lightfast
- Block-resistant
- Hard-wearing and cleanable
- Complies with EN 71-3 Safety of toys, resistant to saliva and perspiration
- Meets the requirements for wet abrasion resistance Class 1 in accordance with DIN EN 13300

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⁾
	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	glossy	
Base material	Acrylat-Copolymer-Dispersion	
VOC	EU limit for this product (Kat. A/d): 100 g/l (2010) This product contains a max. of 100 g/l VOC	
Constituent substances	Acrylate copolymer emulsion, titanium dioxide, silicates, inorganic/organic colored pigments (depending on the color shade), water, glycol ether, additives and preservatives (benzisothiazolinone and methylisothiazolinone)	
Density	approx. 1,2 g/cm ³	
Packaging	Standard: 375 ml, 750 ml, 3 l, 10 l Color system: 375 ml, 750 ml, 3 l, 10l	

Use

Thinning	If necessary, dilute with water up to approx. 5 %
Tinting	All colors can be mixed with one another.
Compatibility	Do not mix with other types of materials.
Application	Lacryl-PU Gloss Enamel 275 can be applied by means of paint brush and rollers. For paint brush application synthetic paint brushes are particularly suitable, e.g. Uni-Plus Paint Brush, round 1204 and Aqua Ring Paint Brush 1215.
Consumption	Approx. 110–130 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 water and soap.

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

Dust-dry after approx. 2 hours. Recoatable after approx. 15 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. Only completely emptied containers may enter the recycling system. Dispose of liquid material residues at official used paints disposal facilities.

Declaration

Product code BSW30
Comply with the specifications in the current safety data sheet.
Information for individuals allergic to isothiazolinone is available at phone +49 251 7188-403.

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	Impregnation ¹⁾	Prime coat ³⁾	Intermediate coat	Top coat
dimensionally stable and limited dimensionally stable wooden components, untreated: e.g. doors and windows, groove and tongue paneling (e.g. underside of roofs)	Wood Preservative Primer 250	Lacryl Universal Primer 246, Isoprimer 243 or Hydro-PU-XSpray Isoprimer 2243	Lacryl-PU Gloss Enamel 275	Lacryl-PU Gloss Enamel 275
limited dimensionally stable and dimensionally stable wooden components with intact old coat	defective areas with Wood Preservative Primer 250 ²⁾			

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

²⁾ Coat defective areas with Lacryl Universal Primer 246, Isoprimer 243 or Hydro-PU-XSpray Isoprimer 2243 before applying the prime coat.

³⁾ In the case of white or bright paint coats, use Isoprimer 243 or Hydro-PU-XSpray Isoprimer 2243 to prevent shining through of water-soluble constituents. With constituent-rich wood two prime coats are recommended. Alternatively to Isoprimer the prime coat can be carried out with Impredur Primer 835.

Interior coats on wood

Substrates	Prime coat ^{2) 3)}	Intermediate coat	Top coat
wooden components, wooden materials, untreated	Lacryl Universal Primer 246, Isoprimer 243 or Hydro-PU-XSpray Isoprimer 2243	Lacryl-PU Gloss Enamel 275	Lacryl-PU Gloss Enamel 275
Wooden components, wooden materials, with intact old paint coat	Lacryl Universal Primer 246, Isoprimer 243 or Hydro-PU-XSpray Isoprimer 2243 ¹⁾		

- ¹⁾ Coat defective areas with Lacryl Universal Primer 246, Isoprimer 243 or Hydro-PU-XSpray Isoprimer 2243 before applying the prime coat.
- ²⁾ In the case of white or bright paint coats, use Isoprimer 243 or Hydro-PU-XSpray Isoprimer 2243 to prevent shining through of water-soluble constituents. With constituent-rich wood two prime coats are recommended. Alternatively to Isoprimer the prime coat can be carried out with Impredur Primer 835.
- ³⁾ Depending on the requirements, Enamel Filler 518 can be used indoors for treating the primed surfaces, for example.

Interior coats on iron / steel

Substrates	Prime coat ^{2) 3)}	Intermediate coat	Top coat
iron/steel, untreated	depending on requirements, Metal Primer 850 or Multi Primer 227	Lacryl-PU Gloss Enamel 275	Lacryl-PU Gloss Enamel 275
iron / steel, interior, with factory prime coat	Lacryl Universal Primer 246 ¹⁾		
iron / steel, with intact, bearing old paint coat			

- ¹⁾ Coat defective areas with Metal Primer 850 or Multi Primer 227 before applying the prime coat.
- ²⁾ Depending on the requirements, Enamel Filler 518 can be used indoors for treating the primed surfaces, for example.
- ³⁾ On CoilCoating, powder coatings and two-component coats, we recommend as a general rule priming with 2K-Epoxy Varioprimer 865 or 2K-Epoxy Varioprimer S 864.

Coats on zinc, galvanized steel, aluminum, hard PVC

Substrates	Prime coat ^{2) 3)}	Intermediate coat	Top coat
zinc, zinc coated components, exterior and interior, untreated	depending on requirements and selection with Lacryl Universal Primer 246, 2K-Aqua Epoxy Primer 2373, 2K-Epoxy Varioprimer 865 or 2K-Epoxy Varioprimer S 864	Lacryl-PU Gloss Enamel 275	Lacryl-PU Gloss Enamel 275
aluminum, hard PVC, etc., exterior and interior, untreated			
hard PVC, etc., exterior and interior, untreated	depending on requirements and selection with Lacryl Universal Primer 246, 2K-Epoxy Varioprimer 865 or 2K-Epoxy Varioprimer S 864		
intact, load-bearing coats, exterior and interior	Lacryl Universal Primer 246 ¹⁾		

¹⁾ Coat defective areas with Lacryl Universal Primer 246, 2K-Aqua Epoxy Primer 2373, 2K-Epoxy Varioprimer 865 or 2K-Epoxy Varioprimer S 864 before applying the prime coat.

²⁾ Depending on the requirements, Enamel Filler 518 can be used interior for treating the primed surfaces, for example.

³⁾ On CoilCoating, powder coatings, two-component coats and anodized aluminum, we recommend as a general rule priming with 2K-Epoxy Varioprimer 865 or 2K-Epoxy Varioprimer S 864.

Notes
Protective measures

Keep out of the reach of children. Use the Dust Filter P2 during sanding. Ensure proper ventilation during application and drying. Avoid eating, drinking and smoking during application. Upon contact with eyes or skin, immediately rinse thoroughly with water. Ensure that the material cannot enter the sewage system, waters or soil.

Sand the substrates

We recommend intermediate sanding between the individual work steps. The surfaces must be sanded down to ensure a "paint-on-paint" structure.

Wood-based panels for exterior use

Due to the present state of the art, wood-based panels are only conditionally suited for coating in exterior areas. 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 if you require assistance in this context.

Avoid contact with plasticizers

Do not bring the paint coat into contact with plasticized plastic materials, e.g. sealing profiles/compounds. Use profiles that do not contain plasticizer.

Surfaces with heavy exposure

For surfaces with a higher degree of exposure, we recommend using two-component enamel paint systems.

Notes

Avoid "paint-on-paint contacts"

Water-based paints exhibit thermoplastic behavior. As a consequence, "paint-on-paint" contacts, e.g. by stacking painted components, must be avoided.

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.

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.

Brillux
Weseler Straße 401
48163 Münster
GERMANY
Phone +49 251 7188-0
Fax +49 251 7188-105
info@brillux.de
www.brillux.com