



# Lacryl-PU Silk Matt Paint 270

Lacryl-PU Seidenmattlack 270

**waterborne, environmentally friendly,  
low odor, for exterior and interior use**

## Properties

Waterborne, low-odor, well-covering acrylic paint. Silk-matt, quick-drying, PU-reinforced, hard-wearing, easy to clean, water-vapor permeable and highly light resistant. Complies with EN 71-3 Safety of toys. Migration of certain elements Class 1 wet abrasion resistance according to DIN EN 13 300.

## Field of application

For intermediate and top coats, exterior and interior, e.g. on wooden, wooden materials, zinc, aluminum, iron/steel (interior only). Can also be used for high-resistance coats on small surfaces in the interior, e.g. on structured substrates such as CreaGlas tissue, relief and wood-chip.

## Material description

**Standard colors:** For details on standard colors and container sizes, refer to the table on the next page.

**Gloss grade:** silk matt

**Material basis:** Pure acrylate dispersion

**VOC:** EU limit for this product (cat. A/b): 150 g/l (2007) / 100 g/l (2010).

This product contains a max. of 100 g/l VOC.

**Contents:** Pure acrylate dispersion, titanium oxide, pigments, organic filler materials, water, glycols, additives, preservatives

**Density:** approx. 1.25 g/cm<sup>3</sup> (white)

**Packaging:** see table on page 2

## 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 materials.

## Application

After mixing, Lacryl-PU Silk Matt Paint 270 can be applied by means of paint brush, rollers and spraying. Use paintbrush with synthetic bristles.

## Consumption

Approx. 110 to 130 ml/m<sup>2</sup> 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

Immediately after use with water.

## Drying

**(+20°C, 65% rel. humid.)**

Fast to handling after approx. 4 hours. Next coat can be applied after approx. 15 hours.

In the case of lower temperatures and/or higher atmospheric moisture, allow for longer drying time.

## Storage

Cool, dry and frost-free. Close opened containers tightly.

**Standard colors and container sizes**

Scala no.	Identification	375 ml	750 ml	2.5 l	10 l
–	0095 white	•	•	•	•
03.18.18	RAL 1021 rape yellow	•	•	•	
09.09.09	RAL 1015 bright ivory	•	•	•	
15.06.30	RAL 8017 chocolate brown	•	•	•	
18.09.27	RAL 8011 nut brown	•	•	•	
27.24.27	RAL 3000 fire red	•	•	•	
60.18.27	RAL 5010 gentian blue	•	•	•	
75.03.12	RAL 7035 light grey	•	•	•	
81.09.30	RAL 6005 moss green	•	•	•	
84.15.30	RAL 6002 leaf green	•	•	•	
–	9900 black	•	•	•	

Many other colors can be mixed via the Brillux color system.  
Color system container sizes: 375 ml, 750 ml, 2.5 l, 10 l.

**Declaration**

**Product code**  
M-LW01.

Comply with the specifications in the current safety data sheet.

**Water pollution classification**

WGK 1, according to VwVwS.

**Airless spray data**

Technique	Nozzle opening mm/inch	Jet angle	Pressure bar	Thinning	Cross-spraying
Airless	0.013 to 0.015" 0.33 to 0.38 mm	40°–80°	approx. 150	max. 5 %	1

**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/structures. Clean resinous and sticky-greasy wood surfaces using Nitro Thinner 456, provide for proper ventilation. Check existing coats for suitability, carrying capacity and adhesiveness.

Remove defective and unsuitable coats and dispose of them as per the applicable regulations. Intact surfaces should be thoroughly rubbed down. Pre-treat the substrate depending on the requirements, apply prime and/or intermediate coat. Also refer to VOB Part C, DIN 18 363, Par. 3.

**Exterior coats on wood**

Substrates	Prime coat <sup>1) 2)</sup>	Intermediate coat <sup>2)</sup>	Top coat
dimensionally accurate and limited dimensionally accurate wooden components/structures, untreated: e.g. doors and windows, groove and tongue paneling (e.g. underside of roofs)	Lacryl Universal Primer 246 or Impredur Primer 835	Lacryl Universal Primer 246 or Impredur Primer 835	Lacryl-PU Silk Matt Paint 270
limited dimensionally accurate and dimensionally accurate wooden components/structures with intact, colorless old coat	defective areas with Lacryl Universal Primer 246 or Impredur Primer 835	Lacryl Universal Primer 246 or Impredur Primer 835	

<sup>1)</sup> If required by the customer or if necessary due to the type of wood and component, the substrate must be impregnated using Impredur Wood Impregnating Primer 550 before applying the prime coat. If no blue stain protection agent is applied, the surface is to be impregnated with Surface Woodstain 620 (free of protective agent, colorless). Defective areas are also to be treated as mentioned above. Also refer to BFS Leaflet No. 3 and No. 18, Section 7.

<sup>2)</sup> In the case of white or bright paint coats, use Impredur Primer 835 to prevent shining through of water-soluble constituents.

**Interior coats on wood**

Substrates	Prime coat <sup>1) 2)</sup>	Intermediate coat	Top coat
wooden components/structures, wooden materials, untreated	Lacryl Universal Primer 246 or Impredur Primer 835	depending on requirements and selection with Lacryl Universal Primer 246,	Lacryl-PU Silk Matt Paint 270
wooden components/structures, wooden materials, with intact old paint coat	defective areas with Lacryl Universal Primer 246 or Impredur Primer 835		

<sup>1)</sup> In the case of white or bright paint coats, use Impredur Primer 835 to prevent shining through of water-soluble constituents.

<sup>2)</sup> Depending on the requirements, Lacryl Filler 259 can be used in the interior for treating the primed surfaces, for example.

**Interior coats on iron / steel**

Substrates	Prime coat <sup>1) 2)</sup>	Intermediate coat	Top coat
iron/steel, untreated	depending on requirements, Metal Primer 850 or Multi Primer 227	depending on requirements and selection with Lacryl Universal Primer 246	Lacryl-PU Silk Matt Paint 270
iron / steel, interior, with factory prime coat	Defective areas with Metal Primer 850 or Multi Primer 227		
iron / steel, with intact, bearing old paint coat			

<sup>1)</sup> Depending on the requirements, Lacryl Filler 259 can be used in the interior for treating the primed surfaces, for example.

<sup>2)</sup> In the case of CoilCoating, coating powder and 2-component coats as well as anodized aluminum, we recommend applying a 2C Epoxy Primer coat 855 in any case.

**Coats on zinc, galvanized steel, aluminum, hard PVC**

Substrates	Prime coat <sup>1) 2)</sup>	Intermediate coat	Top coat
zinc, zined components/structures, exterior and interior, untreated	depending on requirements and selection with Lacryl Universal Primer 246, 2C Aqua Epoxy Primer 873, or 2C Epoxy Primer 855	Lacryl-PU Silk Matt Paint 270	Lacryl-PU Silk Matt Paint 270
aluminum, hard PVC, etc., exterior and interior, untreated			
intact, bearing coats, exterior and interior	defective areas, once or twice, with Lacryl Universal Primer, 2C Aqua Epoxy Primer 873 or 2C Epoxy Primer 855	Lacryl Universal Primer 246	

<sup>1)</sup> Depending on the requirements, Lacryl Filler 259 can be used in the interior for treating the primed surfaces, for example.

<sup>2)</sup> In the case of CoilCoating, coating powder and 2-component coats as well as anodized aluminum, we recommend applying a 2C Epoxy Primer coat 855 in any case.

## Notes

### Take safety measures

When working with varnishes, take the normal safety measures. Keep away from children. Do not breathe spray. Provide for proper ventilation during and after processing. In case of contact with eyes or skin, rinse immediately with plenty of water. Make sure that the material cannot leak into the sewage system, waters or soil.

### Avoid contact with plasticizers

Keep varnish away from plasticizer-containing plastic materials, e.g. sealing profiles/sealing materials. Use plasticizer-free profiles.

### Shelves or similar objects with alkyd resin paint

Coat rack shelves, table tops, seating furniture as well as components subjected to mechanical impact using solvent-containing alkyd resin varnish system.

### In the case of CoilCoating, powder paint and anodized aluminum, note

On CoilCoating, powder paint as well as on anodized aluminum, we recommend as a general rule priming with 2C Epoxy Primer 855.

### Rub down surfaces

We recommend rubbing down the surfaces between the individual work steps. Rubbing down is required in particular if a "coat-on-coat" structure is used.

### Avoid "coat-on-coat contacts"

Waterborne paints behave like thermoplasts. For this reason "coat-on-coat contacts", e.g. stacking, should be avoided.

### Design with brilliant or intensive colors

Brilliant, pure intensive colors, e.g. yellow, orange, red, magenta and yellow-green have little covering capacity due to their pigment nature. In the case of critical colors, we recommend to apply a well-covering base coat on the relevant surface in the corresponding base color (Basecode). Additional coats may be required in addition to the normal system build-up.

### Further specifications

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

### Additional products

- 2C-Aqua-Epoxy-Primer 873
- 2C-Epoxy-Primer 855
- Impredur Primer 835
- Lacryl Universal Primer 246

## Remark

This Data Sheet was prepared taking into account the German laws, Standards, specifications and Codes of practice. All details were translated on the basis of the current German version. The contents do not form part of a legal contract. The user/purchaser is not released from the responsibility of checking that our products are suitable for the proposed use. In addition our general business conditions apply.

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

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