

## Lacryl Universal Primer 246

water-based adhesion primer, low odor,  
quick-drying, for exterior and interior use



Basecode

Farbsystem

### Field of application

Can be used as an adhesive primer for exterior and interior prime and intermediate coats. For priming, e.g., wood, zinc, galvanized and primed surfaces, aluminum (bare metal), coatable plastics (see BFS Data Sheet No. 22) and intact old coatings. On zinc and galvanized surfaces in system build-up with alkyd resin enamel paints, only use these coatings on interior sur-faces. (Please follow the additional instructions under Notes).

### Properties

- Water-based
- low-emission and low-pollutant universal adhesive primer
- acrylic resin base
- Low odor
- Quick-drying
- Adhesion promoting
- Good filling and hiding power
- Tested according to AgBB requirement schemes
- Can be recoated with acrylic and alkyd resin paints

### Material description

Color shades	Scala No.	Description
	—	0095 white
	87.03.18	7106 gray
	90.03.30	7126 anthracite
	27.12.24	8101 red brown
	Basecode color shades and light to medium color shades can be mixed with the Brillux Color System.	
Gloss grade	matt	
Base material	Pure acrylate dispersion	
VOC	EU limit for this product (cat. A/d): 130 g/l (2010) This product contains a mass of 100 g/l VOC.	

## Material description

**Contents** Styrene-acrylate copolymer dispersion, titanium dioxide (depending on the color shade), inorganic/organic colored pigments (depending on the color shade), calcium carbonate, silicates, water, glycol ether, additives and preservatives (benzisothiazolinone and methylisothiazolinone)

**Density** ca. 1.4 g/cm<sup>3</sup>

**Packaging** Standard: 375 ml, 750 ml, 3 l, 10 l (depends on color shade)  
Color System: 375 ml, 750 ml, 3 l, 10 l

## Use

**Thinning** As required, dilute by up to 5 % or up to 10 % with water for a spray application.

**Tinting** All colors can be mixed with one another without limitations.

**Compatibility** Do not mix with other types of materials.

**Application** Lacryl Universal Primer 246 can be applied by using a brush, roller and spray application.  
All information on spray application are summarized in the following table "Spray data".

**Consumption** Approx. 90 to–120 ml/m<sup>2</sup> 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.

## Spray data

Method	Nozzle	Spraying angle	Supply air/ air quantity	Material pressure/ material quantity	Dilution	Cross-spraying
Low pressure <sup>1)</sup>	Yellow front end <sup>1)</sup>	–	50–100 %	Ring setting 6–8	approx. 10 %	1–1½
AirCoat <sup>3)</sup>	0,009–0,011 Inch	40°	1,0 –1,5 bar (air)	100–120 bar	ca. 5 %	1
Airless <sup>4)</sup>	0,008–0,010 Inch	40°	–	150–160 bar	ca. 5 %	1

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

<sup>1)</sup> Information relating to XVLP technology with Wagner FinishControl FC 3500 or FC 5000.

<sup>2)</sup> StandardSpray spray attachment (yellow) for all standard enamel paints and woodstains. Also keep the nozzle clean during application. Remove dry paint material with a soft brush. Please follow the instructions of the equipment manufacturer.

<sup>3)</sup> Information relating to the use of AirCoat nozzles 09/40 (air cap green), e.g. for large-surface applications and nozzle 11/40 with otherwise unchanged settings.

<sup>4)</sup> Information relating to the use of FineFinish nozzles 410 (Trade tip 3 - violet) for, e.g., large-surface applications and nozzle 11/40 with otherwise unchanged settings.

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

Recoat with acrylic enamel paints after approx. 2 - 3 hours and after approx. 12 hours in a system build-up with alkyd resin enamel paints. Allow for longer drying time if the temperature is lower and/or the humidity is higher.

## Storage

Store in a cool, dry and frost-free place. Reseal opened container tightly. Only empty containers are to be recycled. Dis-posal of liquid material residues at the collection point for old varnishes/old paints.

## Declaration

**Product code** BSW20.  
Comply with the specifications in the current Safety Data Sheet.  
Information for people allergic to isothiazolinone can be obtained by calling +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. Prepare zinc, galvanized surfaces by cleaning them with Universal Cleaner 1032 or with ammonia alkaline washing fluid (in accordance with BFS Leaflet No. 5, Paragraph 3.3). Clean and pre-treat aluminum and metal with e.g. Universal Cleaner 1032 in accordance with BFS Leaflet No. 6. Prepare plastic surfaces in accordance with BFS Leaflet No. 22. Test intact, factory-applied primer coats and intact old coats for suitability, load-bearing capacity and adhesive properties. Remove any coatings that are defective and unsuitable. 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. Prepare the substrate in accordance with the specific requirements. Also see BFS Leaflet no. 18, Par. 4 and 5 as well as VOB Part C, DIN 18363, Section 3.

**Impregnation** Treat untreated wooden components with Wood Preservative Primer 250 as required or based on the type of wood. Please also refer to BFS Leaflet No. 18, Section 6.

**Prime and intermediate coat** With Lacryl Universal Primer 246.  
Apply the prime coat with Isoprimer 243 for white or light-colored wood coatings to prevent water-soluble substances from penetrating through. A dual primer with Isoprimer 243 must be used on wood extremely rich in substances and on knots.

**Top coat** Depending on the component/structure, requirement and selection of the further system build-up with acrylic or alkyd resin enamel paints.

<b>Take safety measures</b>	The typical safety measures are to be adhered to, even when working with low-pollution varnishes. Keep away from children. Use combination filter A2/P2 when spraying. Use dust filter P2 when sanding. Ensure proper ventilation during processing and drying. Avoid eating, drinking, and smoking during processing. In case of contact with eyes or skin, immediately rinse with plenty of water. Ensure that the material cannot enter the sewage system, bodies of water, or the ground.
<b>Wood-based panels for exterior use</b>	Due to the present state of the art, wood-based panels are only conditionally suited for exterior coating. 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, as required.
<b>Avoid contact with plasticizers</b>	Keep varnish away from plasticizer containing plastic materials, e.g. sealing profiles/sealing materials. Use plasticizer-free profiles.
<b>Surfaces with heavy exposure</b>	For surfaces with a higher degree of exposure, we recommend using two-component paint systems.
<b>Avoid "paint-on-paint contacts"</b>	Water-based paints exhibit thermoplastic properties. Therefore, avoid "paint-on-paint" contacts, e.g., by stacking, etc.
<b>For zinc, galvanized surfaces</b>	Only use these coatings on zinc and galvanized surfaces in a system build-up with alkyd resin enamel paints on interior surfaces.
<b>Primer on coil coating, powder coating, anodized aluminum, etc.</b>	For coil coating, powder coating, and two-component coatings as well as anodized aluminum, we recommend thoroughly priming with 2K-Epoxi Varioprimer 865 or 2K-Epoxi Varioprimer S 864.
<b>Designs with brilliant or intense color shades</b>	Brilliant, pure intense color shades, e.g. in the yellow, orange, red, magenta and yellow-green range have a low hiding power due to the nature of their pigments. When using critical color shades in these color ranges, we recommend applying a full-covering prime coat in the corresponding base color (Basecode). In addition to the standard coating build-up, additional coats may be required.
<b>Further information</b>	Follow the instructions in the data sheets of the products used.

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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