

Lacryl Universal Primer 246



Water-based adhesion primer, low-emission and low-pollutant, quick drying, for interior and exterior use



Field of application

Can be used as an adhesive primer for interior and exterior 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. When applying coats to zinc and galvanized surfaces in system build-up with alkyd resin enamel paints, only use indoors. 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 requirements of AgBB evaluation 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	Acrylic copolymer 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

Constituent substances Acrylic copolymer dispersion, titanium dioxide, inorganic/organic color pigments (depending on the color shade), calcium carbonate, silicates, water, glycol ether, additives and preservatives (benzisothiazolinone and sodium pyrithione).

Density ca. 1.4 g/cm³

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 color shades 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/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 water and soap.

Spray data

Method	Nozzle	Spraying angle	Supply air/ air quantity	Material pressure/ material quantity	Dilution	Cross-spraying
Low pressure ¹⁾	Yellow front end ¹⁾	–	50–100 %	Ring setting 6–8	approx. 10 %	1–1½
AirCoat ³⁾	0,009–0,011 Inch	40°	1,0 –1,5 bar (air)	100–120 bar	approx. 5%	1
Airless ⁴⁾	0,008–0,010 Inch	40°	–	150–160 bar	approx. 5%	1
Battery-Airless ³⁾	0.008 inch	–	–	regulator Level 5 (110 bar)	approx. 5%	1

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

¹⁾ Information relating to XVLP technology with Wagner FinishControl FC 3500 or FC 5000.

²⁾ 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.

³⁾ 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.

⁴⁾ 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.

⁵⁾ Information relating to the use of the SprayPack 18 V Select 3344 spraying system.

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. Dispose 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. Contains benzisothiazolinone and sodium pyrithione. Can cause allergic reactions. Allergy information at +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.
- The BFS Leaflet no. 18 specifies that the moisture content for dimensionally stable components must be limited to 15%. For non-dimensionally stable components and components with limited dimensional stability, the moisture content must not exceed 18%.
- Prepare zinc, galvanized surfaces by cleaning them with Universal Cleaner 1032 or with ammoniac washing fluid (in accordance with BFS Leaflet No. 5, Paragraph 3.3).
- Aluminum, bright metal with e.g. Universal Cleaner 1032 and abrasive fleece and then wash thoroughly with warm water. When treating aluminum, in accordance with BFS Leaflet No. 6.
- Prepare plastics in accordance with BFS Leaflet No. 22.
- Test intact, factory-applied primer coats and intact old coats for their 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. Only perform this kind of work in well ventilated areas and ensure the use of appropriate protective equipment (including respiratory protective equipment) as required.
- Also see BFS Leaflet no. 18, Para. 4 and 5 as well as VOB Part C, DIN 18363, Section 3.

Impregnation Treat exterior, untreated wooden components with Lignodur Contrabol Aqua 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.
When using white or light coatings with wood, apply the prime coat with Isoprimer 243 to prevent water-soluble constituents from bleeding through. In the case of constituent-rich wood and on knots, two prime coats with Isoprimer 243 must be applied.

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

Protective measures	Keep out of reach of children. Use safety glasses and the combination filter A2/P2 for spraying. 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, bodies of water or soil.
Wood-based panels for exterior use	In accordance with the current 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 allow the paint coating to come into contact with plastics containing plasticizers, e.g. sealing profiles/sealants, etc. Use plasticizer-free profiles.
High-use surfaces	For surfaces with a higher degree of exposure, we recommend using two-component enamel paint systems.
Avoid "paint-on-paint contacts"	Water-based paints exhibit thermoplastic properties. Therefore, avoid "paint-on-paint" contacts, e.g., by stacking, etc.
For zinc, galvanized surfaces	Only use these coatings on zinc and galvanized surfaces in a system build-up with alkyd resin enamel paints on interior surfaces.
Primer on coil coating, powder coating etc.	On CoilCoating, powder coatings and two-component coats 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.
Designs with brilliant or intense color shades	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.
Further information	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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