

Capacryl Effektlack

Water-dilutable pearl effect enamel for a remarkable design.

For exterior and interior use.

Eminently suitable for DGNB* certified buildings.



Product Description

Field of Application

For high-quality intermediate and finishing (top) coats, applicable with airless spray equipment, providing a discreet pearly luster effect, outdoors and indoors.

***Deutsche Gesellschaft für Nachhaltiges Bauen – DGNB e.V.** EN: *German Sustainable Building Council*

Material Properties

- Water-dilutable.
- Low odour.
- Non-blocking.
- High scratch resistance and shock strength.
- Resistant to common household detergents.
- Pearl effect enamel.

Material Base / Vehicle

Acrylic dispersion/emulsion.

Packaging/Package Size

■ **Standard Colour:** Approx. RAL 9006 Weißaluminium/White Aluminium
2.5 litres and 10 litres

■ **ColorExpress:**

Standard colour (approx.) RAL 9006 Weißaluminium/White Aluminium in above mentioned packaging is used for tinting via ColorExpress.

Colours

■ **Standard Colour:** Approx. RAL 9006

■ **ColorExpress:** Tintable via the ColorExpress stations (Capamix) in RAL pearlescent colour shades and DB shades (German Railways) as well as in many other shades of current colour collections.

Colour Resistance as per German BFS Data Sheet No. 26:

Binder: Class A

Pigmentation: Group 1 to 3, depending on the colour.

Gloss Level

- Silk-matt/semi-gloss (mid sheen; velvet or eggshell-like finish)

Storage

Keep in a cool, but frost-free place.

Shelf life of the original, tightly closed can: 12 months.

Technical Data

- Density: Approx. 1.0 - 1.3 g/cm³

Suitability according to
Technical Information No. 606
Definition of Application Areas

Interior 1	Interior 2	Interior 3	Exterior 1	Exterior 2
+	+	+	+	+
(-) inapplicable / (○) of limited suitability / (+) suitable				



Application

Suitable Substrates

Thoroughly primed, dimensionally stable wooden parts (construction elements). Primed metal and other dimensionally stable surfaces of building materials. The substrate must always be sound/stable, dry, clean, and free from all substances that may prevent good adhesion. Maximum permissible wood moisture content (WMC): 12 %.

Substrate Preparation

New Wooden Parts (Construction Elements):

Sand/grind the surface of wood in fibre direction, clean thoroughly and remove seeping wood contents, e.g. resin/rosin and resin galls/pitch pockets, cut sharp edges. Germany: See BFS-Merkblatt (Data Sheet) No. 18.

Iron, Steel:

Derust to industry standard SA 2 2½ (blasting) or ST3 (mechanically) according to DIN EN ISO 12944-4.

Zinc/Galvanised Surfaces:

Clean with abrasive non-woven web and Multistar, 1 : 5 diluted with tap (potable) water or wash with light ammonia solution using sanding pad as per German BFS Data Sheet No. 5.

Aluminium, Copper:

Clean with abrasive non-woven web and Multistar, 1 : 5 diluted with tap (potable) water. Follow German BFS Data Sheet No. 6.

Existing Paint Coatings:

Sand the surface of existing non-thermoplastic coats slightly and/or treat with alkali. Carefully remove all non-adherent/unstable coatings.

Method of Application

Guidelines for Spray Application:

	Ø Nozzle	Spray Pressure	Air Pressure	Dilution
Airless	0.010 – 0.012 inch	180 - 200 bar	–	-
Airmix/Aircoat	0.008 – 0.012 inch	120 bar	2.0 bar	-

Application:

Capacryl Effektlack is only applicable with Airless and Aircoat/Airmix spraying technique. The above given specifications may vary, depending on the manufacturer and type of equipment. Spray large, seamless surfaces wet-on-wet or spray surfaces in several smaller operation segments and border them (if necessary).

Note:

Spraying of effect enamels on large, seamless surfaces without any visible lapping is generally a challenge for craftsmanship. Particularly on facades, for multiple structural scaffolding levels and with unsettled climatic conditions, it is only possible at rare intervals to achieve an absolutely perfect surface without any visible clouding effect and lapping. These product and field condition typical irregularities must be accepted. Thus, it is advisable to notify the circumstances to the customer and to stipulate a trial coating on site.

Surface Coating System

Substrate	Use	Substrate Preparation	Impregnation	Priming Coat	Finishing Coat
Wood, derived timber products	interior	sanding/cleaning	–	Capacryl Holz-IsoGrund*	Capacryl Effektlack
Dimensionally stable wooden parts	exterior	BFS Nr. 18	Capacryl Holzschutz-Grund	Capacryl Holz-IsoGrund*	
Iron, steel	interior	rust removal/cleaning	–	Capalac AllGrund	
	außen	rust removal/cleaning	–	2 x Capalac AllGrund	
Zinc/galvanised surfaces	interior/exterior	BFS No. 5	–	Capacryl Haftprimer	
Aluminium/copper	interior/exterior	BFS No. 6	–	Capacryl Haftprimer	
Stable existing paint coatings	interior/exterior	roughening/ alkali treatment	Prepare and prime depending on substrate requirements	Capacryl Haftprimer	

*Always use Capacryl Holz-IsoGrund on wood with watersoluble, discolouring substances of content that leave marks. 2 x on knots.

Note: Adhesion must be tested in advance for powder coatings, coil coatings and other critical/problematic substrates by coating a test area on site. Do not apply on anodized aluminium.

TECHNICAL INFORMATION NO. 969

Consumption Approx. 120 to 220 ml/m² per coat, depending on the necessary coating thickness. The wet film thickness should not exceed 200 µm (consumption: approx. 220 ml/m²). Consumption is only a guide value and may vary, depending on substrate requirements. Determine the exact amount of material required by coating a test area on site.

Application Conditions **Low Temperature Limit for Application and Drying:**
8 °C for product, ambient air and substrate.

Drying/Drying Time

At 20 °C and 65 % relative humidity	dust dry	cured
After hours at 200 µm (wet film thickness)	2	48

Lower temperatures and higher humidity extend the drying times.

Tool Cleaning Immediately after use with soapy water.

Advice

Please Note (Status as at Date of Publication)

Keep out of reach of children. Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the product. In case of contact with eyes or skin, immediately and thoroughly rinse with water. Do not allow product to enter drains, waterways or soil. Clean utensils immediately after use with soap and water. Use P2 dust filter for grinding. Do not breathe spray dust. Use A2/P2 combination filter for paint spraying.

Further information: See Material Safety Data Sheet (MSDS).

Contains 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

In Germany: Advice for allergy sufferers with isothiazolinone allergy: Hotline 0180/5308928 (0.14 €/minute from German landline, MTS max. 0.42 €/minute).

Disposal

Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities. Particular attention should be made to removing wastage from site in compliance with standard construction site procedures.

In Germany: Only completely empty containers should be handed in for recycling. Dispose containers with residues of liquid product via waste collection point accepting old paints and enamels. Dispose dried/hardened product residues as construction site/demolition/municipal or domestic waste.

EU limit value for the VOC content

of this product (category A/d): 130 g/l (2010). This product contains max. 60 g/l VOC.

Product Code Paints and Enamels

M-LW01 (Germany)

Substances of Content - Declaration

Polyurethane-polyacrylic resin, titanium dioxide, coloured pigments, mineral fillers, water, glycols, glycol ether, additives, preservative (Methyl-/Benzisothiazolinone).

Customer Service Centre

Tel.: +49 6154 71-71710

Fax: +49 6154 71-71711

e-mail: kundenservicecenter@caparol.de

International Distribution: Please see www.caparol.com

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All suggestions and application instructions herein are based on our latest technical experience. Due to the wide variety of individual project conditions, we cannot be held responsible for their content. These instructions do not release the purchaser/ applicator from his responsibility to determine the suitability of the product in consideration of the project characteristics. These instructions are to be considered void when a new edition is released. Our general conditions of sale and delivery in their latest edition apply. This document is a translation of our German Technical Information No.969 · Capacryl Effektlack · Issued: January 2019