

# Capalac Effektlack

Two-component, alkyd-resin based, metallic and nacreous spraying enamel. For exterior and interior use.



## Product Description

Field of Application	Suitable for impressive metallic effect and elegant nacreous coatings, generating a remarkable colouring on dimensionally stable wooden parts, metal and unplasticized (rigid) PVC, exteriors and interiors.
Material Properties	<ul style="list-style-type: none"> <li>■ High-quality, noble surface.</li> <li>■ Free of aromatic hydrocarbons.</li> <li>■ Resistant to common household detergents.</li> <li>■ High weather resistance and lightfastness.</li> </ul>
Material Base / Vehicle	Alkyd-resin with non-aromatic solvents
Packaging/Package Size	<ul style="list-style-type: none"> <li>■ <b>Capalac Effektlack (Effect Enamel) Metallic Silver approx. RAL 9006:</b> 375 ml, 750 ml, 2.5 litres</li> <li>■ <b>Capalac Effektlack Metallic Gold, Copper:</b> 375 ml, 750 ml</li> <li>■ <b>Capalac mix Effektlack Perlglanz (effect enamel with pearl gloss pigments):</b> 800 ml, 2.0 litres</li> </ul>
Colours	<ul style="list-style-type: none"> <li>■ <b>Capalac Effektlack Metallic:</b> Gold, Silver approx. RAL 9006, Copper</li> <li>■ <b>Capalac Effektlack Perlglanz:</b> Via ColorExpress (Capalac mix): RAL 1035 Perlbeige (Pearl Beige), RAL 1036 Perlgold (Pearl Gold), RAL 2013 Perlorange (Pearl Orange), RAL 3032 Perlrubinrot (Pearl Ruby-Red), RAL 3033 Perlrosa (Pearl Rosy/Pink), RAL 4011 Perlviolett (Pearl Violet), RAL 4012 Perlbrombeer (Pearl Blackberry), RAL 5025 Perlenzian (Paerl Gentian), RAL 5026 Perlnachtblau (Pearl Midnight-Blue), RAL 6035 Perlgrün (Pearl Green), RAL 6036 Perlopalgrün (Pearl Opal Green), RAL 7048 Perlmausgrau (Pearl Mouse-Grey), RAL 8029 Perlkupfer (Pearl Copper), RAL 9022 Perlhellgrau (Pearl Light Grey), RAL 9023 Perldunkelgrau (Pearl Dark Grey)</li> </ul> <p><b>Colour Resistance according to BFS Data Sheet No. 26:</b> Binder: Class B Pigmentation: Group 1 to 3 depending on the colour shade</p>
Gloss Level	<ul style="list-style-type: none"> <li>■ <b>Capalac Effektlack Metallic Silver approx. RAL 9006:</b> Gloss &amp; silk-matt/semi-gloss (mid sheen)</li> <li>■ <b>Capalac Effektlack Metallic Gold, Copper:</b> Gloss</li> <li>■ <b>Capalac Effektlack Perlglanz (pearl gloss/nacreous lustre):</b> Gloss</li> </ul>
Storage	Keep in a cool place. Keep cans/containers always tightly closed.
Technical Data	<ul style="list-style-type: none"> <li>■ Density: Approx. 0.9–1.1 g/cm<sup>3</sup> depending on the colour shade</li> </ul>



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

Primed and pre-painted, dimensionally stable wooden parts, metal and unplasticized (rigid) PVC. The substrate must be clean, sound/stable, dry and free from all substances that may prevent good adhesion. Max. permissible moisture content in dimensionally stable wood: 13 %.

Substrate Preparation

### Wooden Parts:

Sand the surface in fibre direction, clean thoroughly, remove exuding/seeping wood contents, e.g. wood resin/rosin and resin galls, cut sharp edges (see BFS Data Sheet No. 18).

### Iron, Steel:

Derust to industry standard SA 2 1/2 (blasting) or ST3 (mechanically) according to DIN EN ISO 12944-4.

### Zinc/Galvanised Surfaces, Unplasticized (Rigid) PVC:

Wash with light ammonia solution using sanding pad according to BFS Data Sheets Nos. 5 and 22.

### Aluminium (not anodised):

Clean with nitro-thinner or phosphoric acid solution using sanding pad according to BFS Data Sheet No. 6.

### Existing Coats of Paint:

Sand the surface of existing coats slightly and/or treat with alkali. Remove unstable coatings.

Mixing Ratio

Add 10 % by volume of Capalac PU-Härter/Hardener and mix thoroughly. Follow Technical Information No. 093 Capalac PU Härter/Hardener.

Method of Application

### Guidelines for Spray Application:

		Ø Nozzle	Pressure	Thinning	DIN 4 mm Consistency
High pressure	Nacreous lustre	1.3–1.5 mm	3–4 bar	25 % by vol.	approx. 65 sec
	Metallic	1.3–1.5 mm	3–4 bar	25 % by vol.	approx. 28 sec
Low pressure	Nacreous lustre	1.3 mm	0.5 bar	25 % by vol.	approx. 28 sec
	Metallic	1.3 mm	0.5 bar	25 % by vol.	approx. 28 sec

### Application:

Optimum result is achievable with high or low pressure spray application. Roller application on small surfaces is also possible. The surface to be coated must be absolutely free of fats/greases, oils, hand perspiration (wear protective gloves, if necessary). Priming with Capalac Vorlack (undercoat) is essential, tinted to match the finishing coat in shade.

### Spray Application:

Thin with Caparol AF-Verdünner/Thinner to spray consistency (see table above). Spray a first, thin-film cross coat with reduced material flow. Allow to flash off for approx. 7 to 10 minutes (at 20 °C and 65 % relative humidity), then cross spray again. A blushing effect may occur on large-sized surfaces.

### Roller Application:

Adjust the material with approx. 5 to 10 % by volume with Caparol AF-Verdünner/Thinner to working consistency. Apply evenly by brush or use non fluff forming Mohair/velour roller (e.g. Storch paint roller Velour, article no. 156115). Allow to flash off for approx. 5 to 7 minutes at 20 °C and 65 % relative humidity, then treat again with a foam plastic roller (evenly, in one direction). Slight blushing and ropiness/streakiness (noticeable marks) may occur, when the material is roller applied.

## Surface Coating System

Substrate	Use	Substrate Preparation	Impregnation	Priming Coat	Intermediate Coat*	Finishing Coat
Wood, derived timber products	interior	roughening/ cleaning	–	Capalac Vorlack	Capalac Vorlack tinted to match the finishing coat in shade	Capalac Effektlack Metallic or Nacreous Lustre
Dimensionally stable wood	exterior	BFS No. 18	Capalac Holz- Imprägniergrund	Capalac Vorlack		
Iron, steel	interior	rust removal/ cleaning	–	Capalac AllGrund or Capalac Rostschutzgrund		
	exterior	rust removal/ cleaning	–	2 x Capalac AllGrund or Capalac Rostschutzgrund		
Zinc / galvanized substrates	interior/ exterior	BFS No. 5	–	Disbon 481 EP-Uniprimer		
Aluminium	interior/ exterior	BFS No. 6	–	Capalac AllGrund		
Unplasticized/rigid PVC	interior/ exterior	BFS No. 22	–	Capalac AllGrund		
Sound existing coats of paint	interior/ exterior	roughening/alkali treatment	Prepare and prime defects according to substrate requirements			
Radiators	interior	roughening/rust removal/ cleaning	–	Capalac AllGrund up to 100 °C		
Precoated radiators	interior	roughening/ cleaning	–	Disbon 481 EP-Uniprimer		

\* Two intermediate coats are required on dimensionally stable wooden parts (according to BFS Data Sheet No. 18).  
Note: Adhesion must be tested in advance for powder coatings, coil coatings and other critical/problematic substrates by coating a test area on site.

### Consumption

**Spray Application:**  
Approx. 150–180 ml/m<sup>2</sup> per coat.

**Roller Application:**  
Approx. 120 ml/m<sup>2</sup> per coat.

Consumption is only a reference value and influenced by the substrate condition, e.g. roughness, absorbency, etc.  
Determine the exact amount of material required by coating a test area on site.

### Workability

Pot life (workability) at +20 °C: 8 hours.  
Note: The end of pot life is not noticeable.

### Application Conditions

**Lower Temperature Limit for Application and Drying:**  
+ 5 °C for product, substrate and ambient air.

### Drying/Drying Time

At 20 °C and 65 % relative humidity	dust dry	dry to touch	recoatable (brush)	recoatable (spray-coat)
after hours	4	8 - 10	24	8 - 16

Lower temperatures and higher humidity or higher film thickness (high amount of applied material) extend the drying time.

### Tool Cleaning

Immediately after use with white spirit.

Advice

Special Risks (Hazard Note) / Safety Advice (Status as at Date of Publication)

**Enamel:**

Flammable liquid and vapour. Repeated exposure may cause skin dryness or cracking. Keep out of reach of children. Keep away from open flames/hot surfaces. – No smoking. Do not breathe dust or mist. Do not get in eyes, on skin, or on clothing. Use only outdoors or in a well-ventilated area. Avoid release to the environment. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Contains butanone oxime. May produce an allergic reaction.

**Hardener:** For professional use only.

Flammable liquid and vapour. Harmful in contact with skin. May cause an allergic skin reaction. Harmful if inhaled. May cause respiratory irritation. Repeated exposure may cause skin dryness or cracking. Keep out of reach of children. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Keep container tightly closed. Contains isocyanates. May produce an allergic reaction.

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 cans/containers should be handed in for recycling. Dispose containers with residues of liquid material via waste collection point accepting old enamels.

EU limit value for the VOC content

of this product (category A/j): max. 500 g/l (2010). This product contains max. 500 g/l VOC.

Product Code Paints and Enamels

M-LL01 (Germany)

Substances of Content - Declaration

Alkyd resin, titanium dioxide, coloured pigments, calcium carbonate, silicates, aliphates, additives, skin protection: butanonoxime.

Further Details

See Material Safety Data Sheet (MSDS).

Customer Service Centre

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