

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"> ■ High-quality, noble surface ■ Free of aromatic hydrocarbons ■ Resistant to normal cleaners ■ High weather resistance and lightfastness
Material Base / Vehicle	Alkyd-resin with non-aromatic solvents
Packaging/Package Size	<ul style="list-style-type: none"> ■ Capalac Effektlack (Effect Enamel) Metallic Silver approx. RAL 9006: 375 ml, 750 ml, 2.5 litres ■ Capalac Effektlack Metallic Gold, Copper: 375 ml, 750 ml ■ Capalac mix Effektlack Perlglanz (effect enamel with pearl gloss pigments): 800 ml, 2.0 litres
Colours	<ul style="list-style-type: none"> ■ Capalac Effektlack Metallic: Gold, Silver approx. RAL 9006, Copper ■ Capalac Effektlack Perlglanz: 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) <p>Colour Resistance according to BFS Data Sheet No. 26: Binder: Class B Pigmentation: Group 1 to 3 depending on the colour shade</p>
Gloss Level	<ul style="list-style-type: none"> ■ Capalac Effektlack Metallic Silver approx. RAL 9006: Glossy & silk-matt/semi-gloss (mid sheen) ■ Capalac Effektlack Metallic Gold, Copper: Glossy ■ Capalac Effektlack Perlglanz (nacreous lustre): Glossy
Storage	Keep in a cool place. Keep cans/containers always tightly closed.
Technical Data	<ul style="list-style-type: none"> ■ Density: Approx. 0.9–1.1 g/cm³ depending on the colour shade



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 wood extractives, 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, Unplastized (Rigid) PVC:

Wash with light ammonia solution using sanding pad according to BFS Data Sheets No. 5 and No. 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 unsound 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
High pressure	Nacreous lustre	1.3–1.5 mm	3–4 bar	25 % by vol.
	Metallic	1.3–1.5 mm	3–4 bar	25 % by vol.
Low pressure	Nacreous lustre	1.3 mm	0.5 bar	25 % by vol.
	Metallic	1.3 mm	0.5 bar	25 % by vol.

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			
Heizkörper	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 trial application.

Consumption

Spray Application:
Approx. 150–180 ml/m² per coat

Roller Application:
Approx. 120 ml/m² per coat

Consumption is influenced by the substrate condition (e.g. roughness, absorbency, etc.). The exact rate of consumption is best established by a trial coating.

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 material, substrate and ambient air.

Drying/Drying Time

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

The drying time is extended at lower temperatures and higher humidity or higher film thickness (high quantity of applied material).

Tool Cleaning

Immediately after use with white spirit.

Advice

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

Flammable.
 Repeated exposure may cause skin dryness or cracking.
 Keep out of the reach of children.
 Keep away from source of ignition – do not smoke. Do not breathe vapour/spray dust.
 Do not empty into drains, water courses or onto the ground.
 In case of insufficient ventilation, wear suitable respiratory equipment.
 Use only in well-ventilated areas.
 Keep container tightly closed and in a well-ventilated place.
 Avoid contact with eyes and skin.
 If swallowed, do not induce vomiting: seek medical advice immediately and show the container or label.
 Contains cobalt carboxylate, 2-Butanonoxime – may cause an allergic reaction.
 Further information: See Safety Data Sheet (MSDS).

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 emptied cans/containers should be given for recycling. Dispose containers with residues of liquid material via waste collection point for 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

Customer Service Centre

Tel.: (+49) 0 61 54 / 71 17 10
 Fax: (+49) 0 61 54 / 71 17 11
 e-mail: kundenservicecenter@caparol.de

International Distribution: Please see www.caparol.com