

Capalac Seidenmatt-Buntlack

Silk-matt, coloured PU alkyd resin enamel.

Free of aromatic hydrocarbons.

For exterior and interior use.



Product Description

Field of Application

Suitable for high-grade, silk-matt finishing coatings on dimensionally stable wooden parts, metal and unplasticized (rigid) PVC, in the exteriors and interiors. Also suitable for use on hot water radiators with the exception of white shades.

Due to a typical odour of alkyd resin enamels, it is advisable to use Capacryl PU Satin for top coats on large-scale interior substrates instead.

Material Properties

- Non-aromatic solvent (free of aromatic hydrocarbons).
- Excellent colour stability and gloss retention.
- Long open-time.
- Low sagging.
- Excellent opacity, high covering power on edges.
- High impact strength and shock resistance.
- Elegant and easy application.
- Fast-drying.
- Superior flow.
- Resistant to normal household cleaners (detergents) and short-term resistance against weak acids and alkalis.

Material Base / Vehicle

PU alkyd resin, solvent-based, free of aromatic hydrocarbons

Packaging/Package Size

- **Standard Colours:**
125 ml, 375 ml, 750 ml, 2.5 litres, 10 litres
*not all standard colours are available in all package sizes.
- **ColorExpress:**
375 ml, 750 ml, 2.5 litres, 10 litres

Colours

White (Weiß), RAL 3000, RAL 6005, RAL 6011, RAL 7001, RAL 7016, RAL 7035, RAL 8011, RAL 8017, RAL 9001, RAL 9002, RAL 9005 and effect colours RAL 9006 White Aluminium (Weißaluminium) and RAL 9007 Grey Aluminium (Graualuminium).

More colour shades can be tinted via ColorExpress (Capalac mix).

When applying colours with low opacity, like Red, Orange or Yellow, it is advisable to apply one priming coat using the matching colour shade of our Priming System. Priming system colours are available via the ColorExpress tinting technique for the following products: Capalac Seidenmatt-Buntlack, Capalac AllGrund, Capalac Vorlack and Capalac Grundierweiß.

Note: If necessary, apply a transparent sealing coat of Capalac Kunstharz-Klarlack (clear coat) on intensively or dark tinted Capalac enamel coatings in order to avoid a slightly abrasion of pigments.



The typical yellowing of alkyd resins may occur and cannot be objected (caused by low UV radiation and white or bright colours, heat or chemical influences due to e.g. ammonia vapour from cleaning agents, adhesives, paint or sealing compounds).

Colour Resistance according to BFS Data Sheet No. 26:

Binder: Class B

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

Gloss Level

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

Storage

Keep cans/containers tightly closed and in a cool place.

Technical Data

■ Density: Approx. 1.0 – 1.2 g/cm³, depending on the colour

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-coated wood, metal and unplasticised (rigid) PVC.

Do not apply on anodized aluminium.

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

Roughening and cleaning the primed surface.

Method of Application

Guidelines for Spray Application:

	Ø Nozzle	Pressure	Thinning	Heating of Material
Aircoat TempSpray*	0.009 - 0.013 inch	150 bar	-	35 °C
High Pressure (only suitable for RAL 9006 and 9007)	1.6 mm	2.5 bar	+ 10% PU hardener and up to 25-30 % AF-Thinner, if necessary; viscosity DIN 4 mm: approx. 45 seconds	20 °C

* Unsuitable for metallic tints RAL 9006 and RAL 9007.

Application:

Capalac Seidenmatt-Buntlack is applied by enamel paint brush, roller or spraying equipment. Stir well before use.

Aircoat spray application of material in delivered consistency is possible by heating (TempSpray).

RAL 9006 and 9007 / Specifics:

An even surface is only achievable when using the high-pressure spray technique. On large, seamless surfaces sometimes a clouding effect cannot be avoided.

Colour deviation may occur when RAL 9006 and RAL 9007 are applied with different coating methods, e.g. spray, roller or brush application.

10 % of PU hardener must be added to the material, when standard colours RAL 9006 and RAL 9007 are to be applied, because these two colour variations of the product are special 2-component enamels. Follow the safety advice in Technical Information No. 093 (Capalac PU Hardener).

Surface Coating System

Substrate	Use	Substrate Preparation	Impregnation	Priming	Intermediate Coat	Finishing Coat	
Wood, derived timber products	interior	sanding	–	Capalac Vorlack	if necessary Capalac Seidenmatt-Buntlack	Capalac ²⁾ Seidenmatt-Buntlack	
Wooden parts	exterior	BFS Data Sheet No. 18	Capalac Holz-Imprägnier-Grund	Capalac Vorlack	Capalac Seidenmatt-Buntlack		
Iron, steel	interior	derusting/cleaning	–	Capalac AllGrund	if necessary Capalac Seidenmatt-Buntlack		
	exterior	derusting/cleaning	–	2 x Capalac AllGrund	Capalac Seidenmatt-Buntlack		
Zinc (galvanised substrates)	interior	BFS Data Sheet No. 5	–	Disbon 481 EP-Uniprimer or Capalac AllGrund	if necessary Capalac Seidenmatt-Buntlack		
	exterior	BFS Data Sheet No. 5	–	Disbon 481 EP-Uniprimer or 2 x Capalac AllGrund	Capalac Seidenmatt-Buntlack		
Aluminium	interior	BFS Data Sheet No. 6	–	Capalac AllGrund	if necessary Capalac Seidenmatt-Buntlack		
	exterior	BFS Data Sheet No. 6	–	Capalac AllGrund	Capalac Seidenmatt-Buntlack		
Unplasticised (rigid) PVC	interior/ exterior	BFS Data Sheet No. 22	–	Capalac AllGrund	if necessary Capalac Seidenmatt-Buntlack		
Sound existing paint coatings	interior/ exterior	roughening/alkali treatment	– ¹⁾	Capalac AllGrund ¹⁾	if necessary Capalac Seidenmatt-Buntlack		
Uncoated radiators	interior	derusting/cleaning	–	Capalac AllGrund up to 100 °C	Capalac ³⁾ Seidenmatt-Buntlack		³⁾
Precoated radiators (prefab)	interior	roughening	–	Disbon 481 EP-Uniprimer	Capalac ³⁾ Seidenmatt-Buntlack		³⁾

¹⁾ Pretreat defects in existing enamel coatings according to substrate requirements.

²⁾ A transparent sealing is required for intensive colours to avoid abrasion of pigments.

³⁾ Do not apply white shades on radiators to avoid yellowing.

Note: Adhesion must be tested in advance for powder coatings, coil coatings and other critical/problematic substrates by trial application.

Consumption

Consumption ml/m ² per Coat	Brush Application	Roller Application	Spraying (Airless)
	70 - 100	80 - 110	120

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

Lower Temperature Limit for Application and Drying:

+ 5 °C for material, substrate and ambient air.

Relative humidity must not exceed 80 %.

Drying/Drying Time

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

Lower temperatures and higher humidity or high amounts of applied material extend the drying time. The use of Capalac PU Hardener is essential for colours RAL 9006 and RAL 9007 to compensate delayed drying of both materials. Follow Safety Advice given in Technical Information No. 093.

Tool Cleaning

Immediately after use with white spirit.

Advice

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

If medical advice is needed, have product container or label at hand. Keep out of reach of children. Do not get in eyes, on skin, or on clothing. IF ON SKIN: Wash with plenty of soap and water. Use P2 dust filter for grinding. Do not breathe spray dust. Use A2/P2 combination filter for paint spraying.

Disposal

Contains 2-butanone oxime, Fatty acids, C18-unsatd., dimers, reaction products with N,N-dimethyl-1,3-propanediamine and 1,3-propanediamine, phthalic anhydride. May produce an allergic reaction.

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): max. 300 g/l (2010). This product contains max. 300 g/l VOC.

VOC content of standard colours RAL 9006 and RAL 9007 with 10 % content of PU Hardener:
Limit value (Category A/j): max. 500 g/l (2010). This product contains max. 500 g/l VOC.

Giscode

BSL60

Product Code Paints and Enamels

outdated: M-LL01 (Germany)

Substances of Content - Declaration

Alkyd resin, titanium dioxide, silicates, mineral pigments / fillers, aliphatics, ester, glycols, glycol ethers, additives.

Further Details

See Material Safety Data Sheet (MSDS).

Customer Service Centre

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