

# Capalac AllGrund

The all-rounder with corrosion protection



## Product Description

Field of Application

Fast-drying, rust inhibitive priming coat with high adhesion on iron and steel and wash primer on aluminium, copper, zinc (galvanised surfaces), unplasticized (rigid) PVC, wood and derived timber products.

Material Properties

- Fully-fledged anti-corrosive primer on iron and steel (according to German standard DIN 18363).
- Fast-drying, already recoatable after 3 hours (white and pastel tints) up to 6 hours (when intensively tinted) with all alkyd resin enamels.
- Excellent adhesion to many substrates.
- High weather resistance.
- Free of aromatic hydrocarbons.

Material Base / Vehicle

Special synthetic resin combination with active anti-corrosion pigments and non-aromatic solvents.

Packaging/Package Size

- **Standard Colours:**  
375 ml, 750 ml, 2.5 litres,
- **ColorExpres:**  
375 ml, 750 ml, 2.5 litres,

Colours

White  
Silver Grey RAL 7001, Black RAL 9005.

Further colour shades tintable via the ColorExpress (Capalac mix) tinting & mixing machine system.

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.  
Capalac AllGrund is deliverable in Priming System colour shades via the ColorExpress tinting technique.

Gloss Level

Silk-matt/semi-gloss (mid sheen)

Storage

Keep in a cool place.  
Keep container tightly closed.

Technical Data

- Density: Approx. 1.3 g/cm<sup>3</sup>, depending on the colour shade.

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

Wood and derived timber products, iron and steel, zinc/galvanised surfaces, aluminium, copper, unplasticized (rigid) PVC, and sound existing paint coatings. Unsuitable for use on anodised 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 %, in dimensionally unstable or only limited stable wooden parts: 15 %

Special advice for coating galvanised steel or sheet zinc: Always apply min. 2 coats of Capalac AllGrund on the thoroughly prepared surface, in order to prevent diminished adhesion of the following finishing coats of alkyd enamels, caused by zinc oxyde.  
 Alternative treatment: Priming with Capalac 2K-EP-Haftgrund or Disbon 481 EP-Uniprimer is also possible.  
 Another tried and tested coating system for zinc/galvanised parts: Priming coat of Capacryl Haftprimer, followed by an intermediate and one finishing coat of Capacryl PU-Satin/Gloss.  
 For protective coatings on galvanised parts (duplex system according to standard DIN EN ISO 12944) Capalac Dickschichtlack or Capalac Aqua Metallschutz should be preferred.

Substrate Preparation

**Wooden Parts:**

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

**Iron, Steel:**

Derust according to industry standard SA 2 1/2 (blasting) or ST3 (mechanically) according to DIN EN ISO 12 944-4.

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

Wash with light ammonia solution using sanding pad/abrasive fabric according to BFS Data Sheet No. 5 and No. 22 or Gescha MultiStar with abrasive fabric. Sweep blasting.

**Aluminium (not anodised):**

Clean with destined detergents, e.g. Gescha Multi-Star, then sand with a plastic abrasive fleece (see BFS Data Sheet No. 6).

**Copper:**

Prepare with Gescha Multistar in a mixing ratio of 1:5, using synthetic sanding pad/abrasive fabric.

**Sound/Stable Existing Paint Coatings:**

Roughen (sand) the surface of existing coatings slightly and/or treat with alkali. Remove unsound existing coatings.

Method of Application

Apply Capalac AllGrund with paint brush, roller or spraying equipment. Stir well before use. Thin with Caparol AF-Verdünner (non-aromatic), if necessary.

**Guidelines for Spray Application:**

	Ø Nozzle	Pressure	Thinning	Material Temperature
High pressure	1.5–1.8 mm	3–4 bar	approx. 10 % by volume	-
Low pressure	1.5 mm	0.2–0.5 bar	approx. 10 % by volume	-
Airless	0.011–0.013 inch	180 - 230 bar	- (delivered viscosity)	35 °C

## Surface Coating System

Substrate	Use	Substrate Preparation	Impregnation	Priming Coat	Intermediate Coat	Finishing Coat
Wood, derived timber products	interior	sanding/cleaning	–	Capalac AllGrund	if required Capalac enamels	Capalac white or pigmented enamels
Wood	exterior	BFS No. 18	Capalac Holz-Imprägniergrund	Capalac AllGrund	Capalac enamels	
Iron, steel	interior	derusting/cleaning	–	Capalac AllGrund	if required Capalac enamels	
	exterior	derusting/cleaning	–	2 x Capalac AllGrund	Capalac Weiß- or Buntlacke	
Zinc/galvanised surfaces	interior	BFS No. 5	–	Capalac AllGrund	if required Capalac enamels	
	exterior	BFS No. 5	–	2 x Capalac AllGrund or 1 x Capalac 2K-EP-Haftgrund or 1 x Disbon 481 EP-Uniprimer	Capalac enamels	
Aluminium, copper	interior	BFS No. 6 Gescha Multistar 1:5 with sanding pad	–	Capalac AllGrund	if required Capalac enamels	
	exterior	BFS No. 6 Gescha Multistar 1:5 with sanding pad	–	Capalac AllGrund	Capalac enamels	
Rigid PVC	interior/ exterior	BFS No. 22	–	Capalac AllGrund	if required Capalac enamels	
Sound Existing Paint Coatings <sup>1)</sup>	interior/ exterior	sand slightly	– <sup>1)</sup>	Capalac AllGrund	Capalac enamels	

<sup>1)</sup> Pretreat defects according to substrate requirements.

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

### Consumption

Consumption ml/m <sup>2</sup> /coat	Brush Application	Roller Application	Spraying		
			High Pressure	Airless	Low Pressure
vertically	90–100	80–90	120	130	120
horizontally	110	110	170	170	160

Consumption is only a guide value and may vary, depending on substrate requirements. The exact consumption is best established by a trial coating (test area) on site.

### Application Conditions

#### Application Temperature

Min. 5 °C for product, ambient air and substrate (optimum temperature: 10 °C up to 25 °C).  
Relative humidity (RH): ≤ 80 %

### Drying/Drying Time

At 20 °C, 65 % relative humidity*	dust dry	dry to touch	recoatable
after hours	0.75	3–6**	Approx. 3 (white & bright-toned) ca. 6** (intensively toned)

\* Lower temperatures, higher humidity and high layer thickness extend the drying time.

\*\* Standard colour White and bright tones made of base White may be coated with alkyd resin enamels after a drying time of approx. 3 hours, intensive colours of transparent base after approx. 6 hours. A minimum drying time of 12 hours is necessary before applying water-dilutable enamels.

# TECHNICAL INFORMATION NO. 010

Tool Cleaning

Immediately after use with white spirit.

## Advice

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

Flammable liquid and vapour. May cause drowsiness or dizziness. Harmful to aquatic life with long lasting effects. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe vapours/ spray. Use only outdoors or in a well-ventilated area. Store locked up. Repeated exposure may cause skin dryness or cracking. Contains: naphtha (petroleum), hydrotreated heavy. Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Disposal

Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities. In Germany: 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/i): 500 g/l (2010). This product contains max. 500 g/l VOC.

Substances of Content - Declaration

Alkyd resin, titanium dioxide, coloured pigments, silicates, calcium carbonate, mixed metal phosphates, aliphates, additives, siccativ (cobalt neodecanoate), anti-skinning agent (butanonoxime).

Further Details

See Material Safety Data Sheet (MSDS).

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## Technical Information No. 010 · Issue: May 2024

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.010 · Capalac AllGrund · Issued: August 2023

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