

# Capalac Totalprimer

Fast-drying anti-corrosion primer with excellent adhesion.  
Free of aromatic hydrocarbons.



**CAPAROL**

## 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:**  
125 ml, 375 ml, 750 ml, 2.5 litres, 10 litres
  - **ColorExpress:**  
500 ml, 1.0 litre, 2.5 litres, 10 litres White

**Colours** Approx. RAL 9010, Oxide Red RAL 3009, Reseda Green RAL 6011, Silver Grey RAL 7001, Nut Brown RAL 8011, 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 Totalprimer is deliverable in Priming System colour shades via the ColorExpress tinting technique.

Silk-matt/semi-gloss (mid sheen) Keep

**Gloss Level** in a cool place.  
**Storage** Keep container tightly closed.

■ **Density:** Approx. 1.27–1.33 g/cm<sup>3</sup>, depending on the colour shade.

**Technical Data**

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 Totalprimer on the thoroughly prepared surface, in order to prevent diminished adhesion of the following finishing coats of alkyd enamels, caused by zinc oxide.

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 should be preferred.

#### 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 nitro-thinner or phosphoric-acid solution using synthetic sanding pad/abrasive fabric according to 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

#### Guidelines for Spray Application:

	Ø Nozzle	Pressure	Thinning
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	150 bar	- (delivered viscosity)

#### Application:

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

### Surface Coating System

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 may be coated with alkyd resin enamels after a drying time of approx. 3 hours, A minimum drying time of 12 hours is necessary before applying water-dilutable enamels.

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. Repeated exposure may cause skin dryness or cracking. Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not breathe vapours/spray. 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. Store in a well-ventilated place. Keep container tightly closed.

Contains 2-butanone oxime. 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. 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.

Product Code Paints and Enamels

M-GP02

Substances of Content - Declaration

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

Further Details

See Material Safety Data Sheet (MSDS).

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](http://www.caparol.com)

## Technical Information- Issue: December 2014

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 - Capalac Totalprimer - Issued: March 2014

DAW International Business: DAW SE · P.O.B. 1264 · D-64369 Ober-Ramstadt · Tel. +49 6154 71-1274 · Fax +49 6154 71-1264 · Internet [www.caparol.com](http://www.caparol.com)