

# Malerit

Top class interior emulsion paint for the professional painter.  
Free from preservatives.



## Product Description

### Field of Application

Top class paint for new and renovation coatings on all interior surfaces. Particularly applicable in highly sensitive living and working areas, due to odour-free application and drying. Malerit has a very high degree of whiteness and due to a convincing hiding power in most cases only one coat is sufficient. Malerit is easy to apply and fast-drying, allowing the usage of painted rooms without delay.

### Material Properties

- Free from preservatives.
- Emission minimised, solvent-free.
- Water-dilutable, ecologically compatible, low odour.
- Free of fogging-active substances.
- Snow-white.
- Diffusion-capable.
- $s_d$ -value < 0.1 m
- Excellent opacity (hiding/covering power).

### Material Base / Vehicle

Synthetic resin dispersion (emulsion) according to German standard DIN 55945.

### Packaging/Package Size

- **Standard Product:** 2.5 l, 5 l, 10 l, 12.5 l, 15 l Airfix: 25 l hobbock
- **Off-White** (Altweiß): 12.5 l, 15 l
- **ColorExpress:** 1.25 l, 2.5 l, 5 l, 7.5 l and 12.5 l

### Colours

White, Off-White.

Malerit (White) can be tinted with CaparolColor or AmphiColor® (AVA) colourants. If more than one bucket is manually tinted, all product must be thoroughly mixed before use in order to avoid colour differences.

Malerit is tintable to all current colour collections via the **ColorExpress** tinting & mixing machine system.

Check tinted product before applying to avoid colour differences. Always use tinted paint of same batch, when applying on seamless surfaces.

When applying colour shades of low opacity (hiding/covering power), e.g. red, orange or yellow, it is advisable to previously apply one priming coat of Malerit or Caparol-Haftgrund in a matching priming system colour, available via the ColorExpress technique. Possibly a second finishing coat may be necessary. Tinting may influence the preservative-free formulation adversely, thus this material property cannot be warranted for tinted paint.

### Gloss Level

Dull matt (Dead-matt as per DIN EN 13 300)

### Storage

Keep in a cool, but frost-free place. Shelf life: Approx. 12 months in the original, tightly closed (unopened) bucket/container. Adding water may diminish the shelf life.



## Technical Data

### Characteristics according to DIN EN 13 300:

Tinting may cause variations.

- Wet abrasion: Wet scrub resistance Class 3, corresponds to "wash-resistant" as per German standard DIN 53778.
- Contrast ratio: Opacity (hiding/covering power) Class 1, with a spreading rate of 7 m<sup>2</sup>/l or 140 ml/m<sup>2</sup>
- Maximum particle (grit) size: Fine (< 100 µm)
- Density: Approx. 1.50 g/cm<sup>3</sup>

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

The substrate must be sound/stable, dry, clean, and free from all substances that may prevent good adhesion. Germany: Follow VOB, part C, DIN 18363, section 3.

### Substrate Preparation

**Plasters in Mortar Groups/Classes PII (Lime-Cement Mortars) and PIII (Cement Mortars) Minimum Compressive Strength according to DIN EN 998-1: 1.5 N/mm<sup>2</sup>:** Solid plasters with normal absorbency require no preliminary treatment. Prime highly porous, sanding or absorbent plasters with OptiGrund or CapaSol.

**Gypsum and Ready-Mixed Gypsum Plasters of Mortar Group P IV /Minimum Compressive Strength according to DIN EN 13279: 2 N/mm<sup>2</sup>:** Apply one priming coat of Caparol-Haftgrund. Sand/grind off sintered skin, remove sanding dust and prime with Caparol-Tiefgrund TB.

**Gypsum Wallboards:** Prime absorbent boards with OptiGrund or Caparol-Tiefgrund TB. Prime highly compact, smooth boards with Caparol-Haftgrund to enhance adhesion.

**Gypsum Plasterboards (Sandwich-Type Plaster Boards / Drywalls):** Sand/grind off mortar burrs. Prime and strengthen soft gypsum areas (repairs) with Caparol-Tiefgrund TB. Prime with Caparol-Haftgrund, OptiGrund or use CapaSol. Boards containing water-soluble, discolouring substances that leave marks must be primed with Caparol AquaSperrgrund fine. Germany: Follow BFS-Merkblatt (Data Sheet) No. 12.

**Concrete:** Remove all residues of separating agent (formwork oil residues) and chalking or sanding substances.

**Autoclaved Aerated Concrete (AAC) / Cellular Concrete:** Prime with a 1 : 3 mixture of Capaplex and tap (potable) water.

**Facing Brickwork or Fair-Faced Sand-Lime Brick Masonry:** No preliminary treatment required.

**Sound/Stable Existing Coatings:** Matt, slightly absorbent coatings can be treated without a preliminary preparation. Roughen/sand glossy surfaces and enamel coatings. Prime with Caparol-Haftgrund.

**Unstable Existing Coatings:** Carefully remove unstable coatings of enamel, dispersion/emulsion paint or synthetic (organic) plaster. Prime slightly absorbent, smooth surfaces with Caparol-Haftgrund. Prime highly porous, sanding or absorbent substrates with OptiGrund or CapaSol. Remove unstable mineral paint coatings by mechanical means and remove dust. Prime with Caparol-Tiefgrund TB.

**Glue-Bound Distemper (Limewater Colour/Paint):** Wash off the existing coating very thoroughly, allow to dry and prime with Caparol-Tiefgrund TB.

**Unpainted Woodchip/Ingrain Wallpapers, Relief or Embossed Wallpapers (made of Paper):** No preliminary treatment required.

**Non-Adherent Wallpapers:** Remove completely and wash off all residues of wallpaper paste/glue and waste paper. Prime the substrate with Caparol-Tiefgrund TB.

**Mildewed Surfaces:** Remove fungal attack (fungi/mildew/mould) by wet cleaning, then use Capatox or FungiGrund and allow to dry thoroughly. Prime according to the type and condition of the substrate. Apply a finishing coat of Indeko-W, Malerit-W or Fungitex-W on heavily mould affected surfaces, in compliance with legal/local and official regulations (follow e.g. Ordinance on Biological Agents and Ordinance on Hazardous Substances).

**Surfaces Stained by Nicotine, Water, Soot or Fat/Grease:** Wash off nicotine, soot or fat/grease stains with tap water, adding a fat-dissolving household cleaning agent, then allow the surface to dry well. Clean dried-up water stains by dry brushing off. Apply an insulating priming coat of Caparol AquaSperrgrund. Use Aqua-inn N<sup>o</sup>1 for finishing coat on highly soiled surfaces.

**Wood and Derived Timber Products:** Coat with water-dilutable (waterborne), ecologically compatible Capacryl acrylic enamels or with Capacryl PU enamels.

**Small Defects:** After having completed the necessary preparations, repair small defects with Caparol-Akkordspachtel in accordance with our processing specification, and if necessary, prime subsequently.

Method of Application Apply with paint brush, roller or spray with airless equipment.

**Airless application:**

Spray angle: 50°

Nozzle size: 0.021" - 0.026"

Spray gun pressure: 150 to 180 bar

Clean tools/equipment immediately after use with water.

Surface Coating System One even, liberally applied coat of Malerit, undiluted or diluted to a max. of 5 % with tap (potable) water.

Surfaces with colour contrast: One previously applied coat of product, diluted to a max. of 5 % with tap water. Prime unevenly absorbent substrates with Caparol-Haftgrund.

Consumption Approx. 140 ml/m<sup>2</sup> per coat on smooth substrates. On roughly textured surfaces correspondingly more. Determine the exact amount of material required by coating a test area on site.

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

Drying/Drying Time At +20 °C and 65 % relative humidity surface-dry and recoatable after 4 - 6 hours. Completely cured and ready for stress after approx. 3 days. Lower temperatures and higher relative humidity extend the drying time.

Note To avoid **lapping**, the product should be applied wet-on-wet and without interruption. Stir and sieve well before **airless spray application**.

When using Caparol-Tiefgrund TB in interiors, a typical solvent odour is released, hence proper ventilation must be provided during the application. Use non-aromatic, low-odour AmphiSilan-Putzfestiger in sensitive areas.

Advice: Use CapaSilan for areas with unfavourable lighting conditions (**sided/grazing light**).

Mechanical loads/stress on matt paints in **dark colour shades** may produce bright-toned stripes as a product specific property. Thus, for intensively coloured surfaces subjected to mechanical loads, one additional top coat of PremiumColor (in matching colour) is advisable. See Technical Information PremiumColor.

Touching up surfaces is depending on many parameters and may be visible after drying.  
Germany: See BFS-Merkblatt (Data Sheet) No. 25.

## Advice

German Certificates The Fraunhofer Wilhelm-Klauditz-Institute (WKI) has audited the inoffensive application for interior use. The product is certified with German TÜV quality mark "pollutant-tested / supervised manufacturing process". German certificate is available on request.

**Malerit**

Keep out of reach of children. Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the product. In case of contact with eyes or skin, immediately and thoroughly rinse with water. Do not allow product to enter drains, waterways or soil. Clean utensils immediately after use with soap and water. Do not breathe spray dust. Use A2/P2 combination filter for paint spraying. Further information: See Material Safety Data Sheet (MSDS).

**ColorExpress Malerit**

Keep out of reach from children. Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the product. In case of contact with eyes or skin, immediately and thoroughly rinse with water. Do not allow product to enter drains, waterways or soil. Clean utensils immediately after use with soap and water. Do not breathe spray dust. Further information: See Material Safety Data Sheet (MSDS).

Contains: 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

Germany: Advice for allergy sufferers with isothiazolinone allergy: Hotline 0180/5308928 (0.14 €/minute from German landline, MTS max. 0.42 €/minute).

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.

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/a): 30 g/l (2010). This product contains < 1 g/l VOC.

Product Code Paints and Enamels M-DF01 (Germany)

# TECHNICAL INFORMATION NO. 361

Substances of Content - Declaration

## **Malerit**

Polystyrene acrylate resin dispersion/emulsion, alkali waterglass, calcium carbonate, titanium dioxide, silicates, water, additives.

## **ColorExpress Malerit**

Polyvinyl acetate resin dispersion/emulsion, calcium carbonate, titanium dioxide, silicates, water, additives, preservative (Methylisothiazolinone, Benzisothiazolinone).

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## **Technical Information No. 361 · Issue: March 2022**

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.361 · Malerit · Issued: March 2022

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