

# Capadecor®

## VarioColl

Non-yellowing special compound for embedding VarioChips.



### Product Description

Field of Application

Special compound for embedding VarioChips. Water-dilutable, low odour, solvent-free and unplasticized.

Material Properties

- Emission-minimised, solvent-free, unplasticized and AgBB tested.
- Easy & efficient application.
- Good adhesion.
- Long open time.
- Alkali-resistant.
- Non-yellowing.

Material Base / Vehicle

Synthetic resin dispersion/emulsion according to German standard DIN 55945.

Packaging/Package Size

12.5 litres plastic bucket, round

Colours

White - Please note: VarioColl must be tinted for embedding some types of VarioChips (follow the table given in Technical Information No. 810).

Storage

Keep in a cool, but frost-free place.

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. In Germany: Follow VOB, part C, DIN 18363, section 3.



## Substrate Preparation

### Interior Plasters in Mortar Groups/Classes PII (Lime-Cement Mortars) and PIII (Cement Mortars):

Solid plasters with normal absorbency require no preliminary treatment. Prime highly porous, sanding plasters with CapaSol.

### Gypsum and Ready-Mixed Gypsum Plasters in Mortar Group PIV:

Apply one priming coat of Capadecor DecoGrund or Haftgrund. Sand/grind off sintered skin, remove sanding dust and prime with Tiefgrund TB or AmphiSilan-Putzfestiger.

### Gypsum Wallboards:

Prime absorbent boards with CapaSol, Tiefgrund TB or AmphiSilan-Putzfestiger.

Prime highly compact, smooth boards with Capadecor DecoGrund or Haftgrund to promote bonding.

### Gypsum Plasterboards (Sandwich-Type Plaster Boards/Drywalls):

Sand/grind off mortar burrs. Prime and strengthen soft and roughened gypsum areas (repairs) with Tiefgrund TB or AmphiSilan-Putzfestiger. Apply one priming coat of Haftgrund. Boards containing water-soluble, discolouring substances that leave marks must be primed with Filtergrund grob (coarse). In Germany: Follow BFS Data Sheet No. 12, part 2.

### Concrete:

Remove all parting agents (formwork oil residues) and chalking or sanding substances.

### Sound/Stable Existing Coatings:

Matt, slightly absorbent coatings may be treated without any pre-treatment. Roughen/sand glossy surfaces and enamel coatings. Apply one priming coat of Capadecor-DecoGrund or Haftgrund.

Critical substrates, e.g. greatly aged coats of enamel or oil paint, or when surfaces with watersoluble ingredients that leave marks have been treated with paint remover, etc.: Apply one priming coat of Filtergrund grob (coarse).

Extremely critical substrates, e.g. particle boards/chipboards with discolourations or highly stained by nicotine or water marks: Apply one priming coat of Disbon 481 EP-Uniprimer. If in doubt, please request our technical assistance.

### Unstable Existing Coatings:

Remove unstable coatings of enamel and dispersion/emulsion paint or synthetic (organic) plaster.

Prime slightly absorbent, even surfaces with Capadecor DecoGrund or Haftgrund. Prime highly porous, sanding or absorbent substrates with CapaSol. Remove unstable coats of mineral paint by mechanical means and remove dust. Prime with Tiefgrund TB,

### Glue-Bound Distemper:

Carefully wash off any glue-bound distemper (limewater colour/paint), allow to dry and prime with Tiefgrund TB.

### Mildewed Surfaces:

Remove fungal (fungi/mildew/mould) attack, then use undiluted Capatox and allow to dry thoroughly.

### Surfaces Stained by Nicotine, Water, Soot or Fat/Grease:

Apply a sealing prime coat of Filtergrund grob/coarse (Technical Information No. 845).

### Small Defects:

After having completed the necessary preparations, repair small defects with Caparol-Akkordspachtel in accordance with our application instruction.

### Please Note:

Priming coats of Disbon 481 EP-Uniprimer must be allowed to dry for minimum 12 hours before any further treatment.

The drying time of VarioColl & VarioChips may be significantly extended in case of compact substrates and extremely adverse indoor climate conditions.

Due to the use of Tiefgrund TB in interiors, a typical solvent odour may be released, hence ensure proper ventilation during application and drying. Use non-aromatic, low-odour AmphiSilan-Putzfestiger in sensitive areas.

Problematic substrates must previously be sealed with Filtergrund grob (coarse), due to the longer open time and exposure time to water-soluble ingredients in the substrate that leaves marks.

Reworking gypsum filling compounds may cause swelling, blistering and flaking due to long lasting moisture exposure. Hence provide for quick drying by means of sufficient ventilation and temperature.

In Germany: Follow Data Sheet No. 2 Verspachtelung von Gipsplatten / Trowel Application on Plasterboards, issued by German Association of Gypsum and Plasterboard Industry.

## Method of Application

Apply with paint roller or paint brush or use suitable airless spray equipment.

### Airless application:

Piston pump: nozzle size 0.021 - 0.025 in. and spray pressure 170 - 190 bar;

diaphragm pump: nozzle size 0.021 - 0.026 in. and spray pressure 150 - 180 bar.

## Surface Coating System

Apply the product evenly and liberally, in order to achieve the required layer thickness for adequate embedding of VarioChips. Use medium pile lambskin/sheepskin paint roller or airless spray equipment. A few VarioChip-types must be embedded in tinted VarioColl (see the corresponding table in Technical Information No. 810).

## Consumption

Depending on the substrate:

Approx. 280 ml/m<sup>2</sup> for roller application,

approx. 350 ml/m<sup>2</sup> for airless spray application.

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 product, substrate and ambient air.

## Drying/Drying Time

At +20 °C and 65 % relative humidity recoatable after approx. 24 hours.

Lower temperatures and higher humidity extend the drying time.

## Tool Cleaning

Clean tools/equipment immediately after use with water.

## Advice

Please Note (Status as at Date of Publication)

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.  
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.

In 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.

In Germany: Only completely empty buckets/containers should be handed in for recycling. Dispose residues of liquid product as water-mixable adhesives, dried product residues as hardened adhesives or via domestic waste.

EU limit value for the VOC content

of this product (category A/a): max. 30 g/l (2010). This product contains max. 2 g/l VOC.

Giscode

D1 (Germany)

Substances of Content - Declaration

Polyvinyl acetate resin, titanium dioxide, calcium carbonate, water, additives, preservative (Methyl-/Benzisothiazolinone).

Customer Service Centre

Tel.: +49 6154 71-71710  
Fax: +49 6154 71-71711  
e-mail: kundenservicecenter@caparol.de

International Distribution: Please see [www.caparol.com](http://www.caparol.com)

### Technical Information No. 906 · Issue: July 2016

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/appliator 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.906 · Capadecor®  
VarioColl · Issued: June 2021