

Indeko-plus

**A class of its own, extremely yielding and economic.
Emission-minimised and solvent-free.**

310



Product Description

Field of Application:

Top-quality coating for internal walls and ceilings. Indeko-plus has double covering power – in most cases one uniform coat is sufficient. The material dries very quickly without emitting any offensive odour and is therefore particularly suitable when time is pressing and occupants or users are not to be inconvenienced by the smell of fresh paint, e.g. painting or redecoration in hospitals, nursing homes, warehouses, hotels, restaurants, offices, schools, playschools, surgeries, public buildings and private living quarters.

Properties:

- Water-thinnable, ecologically compatible, low odour.
- Free of fogging-active substances.
- Easy to touch up.
- Double covering power.
- High degree of whiteness.
- Slightly filling, non-yellowing.
- Excellent working properties.
- Diffusion-capable, s_d -value < 0.1 m.

Characteristics to DIN EN 13 300:

- **Wet abrasion:**
Class 1, corresponds as scrub-resistant to DIN 53 778.
- **Contrast ratio:**
Opacity/covering power class 1, with a usage of 8 m²/litre or 120 ml/m².
- **Gloss level:** Matt (dead flat)
- **Maximum particle size:** Fine (<100 µm)

Vehicle:

Synthetic resin dispersion to DIN 55 945.

Density:

Approx. 1.4 g/cm³

Certificate:

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

Colour:

White.

Indeko-plus can be tinted with CaparolColor or AVA – Amphibolin colourants.

Self-tinted material must be prepared in advance and mixed in order to avoid colour differences.

Quantities of 100 litres or more of individual shades may be ordered ready tinted from the factory.

Indeko-plus Base 1–3 can be tinted to all current colour collections using the ColorExpress tinting machine system. Brilliant, intensive colours may offer a lower covering power.

It is therefore recommended to apply a first coat in a similar hiding pastel tint, based on white. Possibly a second finishing coat may be necessary.

Please Note (Status as at August 2008):

Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water. Do not breathe spray dust. Do not empty into drains, water courses and onto the ground. Further information: See Material Safety Data Sheets.

Storage:

Cool, but frost-free.

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 emptied containers should be given for recycling. Dispose of liquid materials as disposal of water-based paints, dried materials as hardened paints or via domestic waste.

Product Code Paints and Enamels:

M-DF01

Substances of Content - Declaration:

Polyvinyl acetate resin dispersion, titanium dioxide, silicates, calcium carbonate, water, additives, preservative.



emission-minimised
solvent-free
free of softeners



Packaging

Standard product Indeko-plus:

5 litres and 12.5 litres

Standard product ColorExpress:

1.25 l, 2.5 l, 5 l, 7.5 l and 12.5 litres

Application

Surface Coating System:

One uniform, generously applied coat of Indeko-plus, undiluted or diluted with max. 5% of tap (potable) water. Substrates of contrasting colours or high or irregular absorbency require a primary application of Indeko-plus, diluted max. 10 %.

Methods of Application:

Apply with brush, paint roller or spray with airless equipment.

Airless application:

Spray angle: 50°
Nozzle size: 0.018" to 0.021"
Spray gun pressure: 150 to 180 bar

Clean tools immediately after use with water.

Consumption:

Approx. 120 ml/m² per coat on smooth substrates, on rough-textured surfaces correspondingly more. The exact rate of consumption is best established by a trial coating.

Minimum Temperature for Application and Drying:

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

Drying Time:

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

Note:

To avoid lapping, the material should be applied wet-on-wet and without interruptions. Stir well and sieve the material before airless application. Due to the use of Caparol-Tiefgrund TB in the 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. Mechanical stress (scratching) on surfaces in dark shades may produce visible bright stripes. For intensively coloured coatings on surfaces subjected to mechanical loads we recommend the application of an additional protective coat of PremiumColor, tinted to match the Indeko-plus coat in shade.

Suitable Substrates and their Preparation

The substrates must be sound/solid, dry, clean, and free from all materials that may prevent good adhesion.

In Germany: Follow VOB, part C, DIN 18 363, paragraph 3.

Renderers/Plasters:

Class P II Lime-Cement Mortars

Class P III Cement Mortars:

Firm renderers/plasters with normal absorbency require no preliminary treatment. Prime highly porous, sanding or absorbent renderers/plasters with OptiGrund E.L.F. or CapaSol LF.

Gypsum and Ready-Mixed Gypsum Plasters of Mortar Group P IV:

Priming coat with Caparol-Haftgrund. Sandpaper sintered gypsum renderers/plasters, remove dust, and prime with Caparol-Tiefgrund TB.

Gypsum Building Boards:

Prime absorbent boards with OptiGrund E.L.F. or Caparol-Tiefgrund TB. Prime highly compacted, smooth boards with Caparol-Haftgrund to promote bonding.

Gypsum Plaster Boards:

Grind off burrs. Soft and sandpapered gypsum areas (repairs) must be primed and strengthened with Caparol-Tiefgrund TB. Prime with Caparol-Haftgrund, OptiGrund E.L.F. or with CapaSol LF. Boards containing water-soluble and discolouring substances must be primed with Caparol AquaSperrgrund fine. In Germany follow BFS Data Sheet No. 12.

Concrete:

Remove residues of release agents and chalking or sanding materials.

AAC:

Prime autoclaved aerated concrete with a 1 : 3 mixture of Capaplex and tap water.

Fair-Faced Brick and Sandlime Brick Masonry:

No preliminary treatment required.

Sound Existing Coatings:

Matt, slightly absorbent coatings may be treated without a preliminary preparation. Sandpaper/roughen glossy surfaces and enamel coatings. Prime with Caparol-Haftgrund.

Unsound Existing Coatings:

Remove unsound coatings of enamels, dispersion paints or synthetic resin-bound renderers/plasters completely. Prime slightly absorbent, smooth surfaces with Caparol-Haftgrund. Prime highly porous, sanding or absorbent substrates with OptiGrund E.L.F. or CapaSol LF. Remove unsound mineral coatings by mechanical means and remove dust. Prime with Caparol-Tiefgrund TB.

Distemper Paints:

Wash off the coating completely and prime with Caparol-Tiefgrund TB.

Unpainted Wood-Chip, Ingrain or Embossed Wallpapers:

No preliminary treatment required.

Non-Adherent Wallpapers:

Remove the wallpapers completely and wash off glue and remnants of lining. Prime the substrate with Caparol-Tiefgrund TB.

Mould-Infested / Mildewed Surfaces:

Remove mould/mildew infestation by wet cleaning, then treat the surface with Capatex or Fungitex and allow to dry well. Prime according to the type and condition of the substrate. Apply a finishing coat of Indeko-W, Malerit-W or Fungitex-W on badly infested surfaces in compliance with legal and official regulations (follow e.g. Biocidal Products Directive and Ordinance on Hazardous Substances).

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

Remove nicotine, soot or fat/grease stains by washing with tap water adding a grease-dissolving household cleaning agent, then allow the substrate to dry well. Clean dried-up water stains by dry brushing. Apply an insulating coat of Caparol AquaSperrgrund fine (Technical Information No. 384). Apply a finishing coat of Caparol IsoDeck on highly contaminated surfaces (Technical Information No. 848).

Wood and Derived Timber Products:

Coat with the water-thinnable, 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 instructions, and if necessary, prime subsequently.

Advice

Technical Assistance

As it is impossible to list herein the wide variety of substrates and their specific problems, please request our technical assistance in case of queries. We will describe appropriate working methods, if a substrate not specified above is to be coated.

Customer Service Centre:

 (+49) 06154 / 711710
Fax No.: (+49) 0 6154 / 711711
e-mail: kundenservicecenter@caparol.de

International Distribution:

Please see www.caparol.com

Technical Information No. 310 - Revised: August 2008

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. 310 Indeko-plus - issued: June 2008

CAPAROL Farben Lacke Bautenschutz GmbH · Roßdörfer Straße 50 · D-64372 Ober-Ramstadt · Tel. +49 (061 54) 71-0 · Fax +49 (061 54) 71-13 91 · Internet: www.caparol.com
Berlin Office · Schnellerstraße 141 · D-12439 Berlin · Tel. +49 (030) 63 94 6-0 · Fax +49 (030) 63 94 62 88

DAW International Business: **Deutsche Amphibolin-Werke von Robert Murjahn Stiftung & Co KG** · P.O.B. 1264 · D-64369 Ober-Ramstadt · Tel. +49 (061 54) 71-12 74
Fax +49 (061 54) 71-12 64 · E-mail export@daw.de · Internet www.caparol.com