

Indeko-plus

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



Product Description

Field of Application	<p>Top-quality coating for internal walls and ceilings. Indeko-plus has double covering power - in most cases one uniform coat is sufficient.</p> <p>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 incommoded 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.</p>
Material Properties	<ul style="list-style-type: none"> ■ 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, sd-value < 0.1 m
Material Base / Vehicle	Synthetic resin dispersion/emulsion to DIN 55 945.
Packaging/Package Size	<ul style="list-style-type: none"> ■ 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
Colours	<p>White.</p> <p>Indeko-plus can be tinted with CaparolColor or Amphibolin colourants. If more than one bucket is manually tinted, all material must be thoroughly mixed before use in order to avoid colour differences. Quantities of 100 litres or more in individual colour shades may be ordered ready tinted from the factory.</p> <p>Indeko-plus (Base 1-3) can be tinted to all current colour collections via ColorExpress tinting & mixing machine system.</p> <p>Check tinted material prior to the application to avoid colour differences. Use always tinted material of the same batch, when applying on continuous surfaces.</p> <p>Brilliant, intensive colour shades may have a lower opacity (hiding/covering power). It is therefore advisable to apply a first coat in a similar hiding pastel tint, based on white. Possibly a second finishing coat may be necessary.</p>
Gloss Level	Dead-matt (according to DIN EN 13 300)
Storage	Keep in a cool, but frost-free place.



Technical Data

Characteristics according to DIN EN 13 300:

Tinting may cause variations.

- Wet abrasion: Wet scrub resistance class 1, corresponds to "scrub resistant" according to DIN 53778
- Contrast ratio: Opacity/covering power class 1, with a spreading rate of 8 m²/l or 125 ml/m²
- Maximum particle (grit) size: Fine (< 100 µm)
- Density: Approx. 1.4 g/cm³

Application

Suitable Substrates

The substrate must be sound/stable, dry, clean, and free from all materials that may prevent good adhesion. In Germany: Follow VOB, part C, DIN 18 363, paragraph 3.

Substrate Preparation

Renderers/Plasters of Mortar Groups/Classes P II (Lime-Cement Mortars) and 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:

Apply one priming coat of Caparol-Haftgrund. Sand sintered gypsum renderers/plasters, remove abrasive 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 (Sandwich Type Plaster Boards):

Grind off putty burrs. Soft and roughened gypsum areas (repairs) must be primed and strengthened with Caparol-Tiefgrund TB. Prime with Caparol-Haftgrund, OptiGrund E.L.F. or CapaSol LF.

Boards containing water-soluble substances that leave marks must be primed with Caparol AquaSperrgrund. In Germany follow BFS Data Sheet No. 12.

Concrete:

Remove all residues of releasing agents and chalking or sanding materials.

Autoclaved Aerated Concrete (AAC):

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

Fair-Faced Brick and Sand-Lime Brick Masonry:

No preliminary treatment required.

Sound Existing Coatings:

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

Unsound Existing Coatings:

Remove unsound enamels and dispersion (emulsion/latex) paints or synthetic resin-bound (organic) renderers/plasters. Prime slightly absorbent, even 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:

Remove by washing and prime with Caparol-Tiefgrund TB.

Unpainted Wood-Chip, Ingrain or Embossed Wallpapers:

No preliminary treatment required.

Non-Adherent Wallpapers:

Remove completely and wash off the residues of wallpaper paste and waste paper. Prime with Caparol-Tiefgrund TB.

Mildewed Surfaces:

Remove fungal (mildew/mould) attack by wet cleaning, then treat the surface with Capatox or FungiGrund 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. Apply a finishing coat of Aqua-inn N° 1 on highly soiled surfaces.

Wood and Derived Timber Products:

Coat with dilutable, ecologically compatible Capacryl acrylic enamels or Capacryl PU enamels.

Small Defects:

After having completed the necessary preparations, repair small defects with Caparol-Akkordspachtel in accordance with our application instructions, 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: 0.018" to 0.021"

Spray gun pressure: 150 to 180 bar

Clean tools immediately after use with water.

Surface Coating System

One even, generously applied coat of Indeko-plus, undiluted or diluted up to max. 5% with tap (potable) water.

Substrates of contrasting colours require a primary application of Indeko-plus, diluted up to max. 10 %. On irregularly absorbing substrates apply one priming coat of Caparol-Haftgrund.

Consumption

Approx. 125 ml/m² per coat on an even substrate. On rough-textured surfaces correspondingly more. The exact rate of consumption is best established by a trial coating.

Application Conditions

Lower Temperature Limit for Application and Drying:

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

Drying/Drying Time

At +20 °C and 65% relative humidity surface-dry and recoatable after 4 - 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 for 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 noticeable bright-toned 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. Follow Technical Information PremiumColor.

Touching up surfaces is depending on many parameters and may be visible after drying.

(In Germany: See BFS Data Sheet No. 25)

Advice

German Certificates	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.
Please Note (Status as at Date of Publication)	Keep out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water. In case of spray application: Do not breathe spray dust. Do not empty into drains, water courses and onto the ground. Further information: See Safety Data Sheet (MSDS).
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 containers with residues of liquid material as remnants of water-based paints and dried material as hardened paints waste 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 < 1 g/l VOC.
Product Code Paints and Enamels	M-DF01
Substances of Content - Declaration	Polyvinyl acetate resin dispersion, titanium dioxide, silicates, calcium carbonate, water, additives, preservative agent
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	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

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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: February 2011

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