

Capadecor® MultiStruktur Fine/Medium/Coarse



Hydrophobic, quartz-filled intermediate and finishing coat for interior use. Grain sizes: **fine** – **medium** – **coarse**.

Product Description

Field of Application	Suitable for applying quartz-filled intermediate and finishing coats, providing an individual and decorative design of interior wall surfaces. Available grain sizes: fine, medium and coarse. MultiStruktur is particularly suitable as an intermediate coating before applying creative semi-transparent/translucent glaze (scumbling) coats or special effect techniques.
Product Properties	<ul style="list-style-type: none"> ■ Emission-minimised, solvent-free, unplasticized and AgBB tested. ■ High degree of whiteness and high opacity (hiding/covering power). ■ Allows easy and multifaceted texturing. ■ Can be tinted via ColorExpress and with colourants. ■ Long open time due to water proofing agent. ■ Properly cleanable. ■ General appraisal certificate, building material class incombustible according to German standard DIN 4102-A2, PZ-Hoch-090261.
Packaging/Package Size	<ul style="list-style-type: none"> ■ MultiStruktur Fine & Medium: 7 kg, 16 kg ■ MultiStruktur Coarse: 7 kg, 18 kg
Colours	<p>White.</p> <p>MultiStruktur can be tinted via the ColorExpress tinting & mixing machine system in approx. 850 colour shades of Caparol 3D System plus and in all CaparolColor colour shades of colour level 18 to 13.</p> <p>Manually tintable up to a max. of 10 % with CaparolColor or AVA colourants.</p> <p>For coating seamless areas, when more than one bucket is tinted, all product must be mixed before use in order to avoid colour differences.</p>
Gloss Level	Dead (dull) matt
Storage	Keep in a cool, but frost-free place.
Technical Data	<ul style="list-style-type: none"> ■ Maximum grit size: MultiStruktur Fine: Approx. 200 µm MultiStruktur Medium: Approx. 300 µm MultiStruktur Coarse: Approx. 500 µm

Application

Suitable Substrates	The substrates must be sound/stable, dry, clean and free from all substances that may prevent good adhesion. In Germany: Follow VOB, part C, DIN 18363, paragraph 3.
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Renders/Plasters in Mortar Groups/Classes PII (Lime-Cement Mortars) and PIII (Cement Mortars):

Apply one priming coat of OptiGrund E.L.F. or CapaSol LF on highly porous, sanding, absorbent substrates.

Gypsum Plasters and Ready-Mixed Gypsum Plasters (Mortar Classes PIV, PV):

Sand sintered surfaces and remove the dust. Apply one priming coat of Caparol-Haftgrund.

Gypsum Wallboards:

Apply one priming coat of OptiGrund E.L.F. or Caparol-Tiefgrund TB on absorbent boards.

Gypsum Plasterboards (Sandwich Type Plaster Boards / Am. Drywalls):

Sand off any burrs and remove all sanding dust. Prime with Caparol-Haftgrund. Apply one priming coat of Caparol-Filtergrund coarse on boards containing water-soluble and discolouring substances that leaves marks. In Germany: Follow BFS Data Sheet No. 12, part 2.

Concrete:

Remove residues of releasing agent and chalking, sanding substances. Apply one priming coat of Caparol-Haftgrund.

Autoclaved Aerated Concrete (AAC) / Cellular Concrete:

Prime with a 1 : 3 mixture of Capaplex and tap (potable) water. Smoothing is effected with Caparol-Akkordspachtel.

Hardboards/Fibreboards, Flakeboards (Chipboards/Particle Boards), Plywood Boards/Wallboards:

Sand waxed boards very thoroughly and remove all sanding dust. Apply one priming coat of Caparol-Filtergrund coarse.

Sound/Stable Coatings:

Treat matt, slightly absorbent coatings without a preliminary preparation. Roughen/sand glossy surfaces and enamel coatings.

Unsound Existing Coatings:

Remove unstable coatings of enamel, dispersion/emulsion paint or synthetic resin-bound (organic) render/plaster. Apply one priming coat of OptiGrund E.L.F. or CapaSol LF on highly porous, sanding or absorbent surfaces. Remove unstable coats of mineral paint by mechanical means and remove all dust. Apply one priming coat of Caparol-Tiefgrund TB.

Glue-Bound Distemper (Limewater Colour):

Completely wash off, allow to fully dry and apply one priming coat of Caparol-Tiefgrund TB.

Wallpapers:

Remove wallpapers completely and wash off all residues of wallpaper paste/glue and waste paper. Apply on priming coat of Caparol-Tiefgrund TB.

Mildewed Surfaces:

Remove fungal attack (fungi/mildew/mould) by wet cleaning/scrubbing, then use Capatox or FungiGrund and allow to dry thoroughly. Prime according to the type and condition of the substrate in compliance with legal and official regulations (follow e.g. Ordinance on Biological Agents 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 fat-dissolving household detergent, then allow the substrate to dry thoroughly. Clean dried-up water stains by dry brushing. Apply an insulating coat of Caparol-Filtergrund coarse (Technical Information No. 845).

Small Defects:

After having completed the necessary preparations, repair with filler Caparol-Akkordspachtel in accordance with our processing specification, and if necessary, prime subsequently.

Method of Application

Stir MultiStruktur thoroughly and apply undiluted with paint brush or roller.

Roller application: Use medium pile type rollers (pile height: 14 - 18 mm) to achieve an even application of product. MultiStruktur Fine may additionally be applied by trowel.

MultiStruktur may also be applied with spraying equipment using spiral conveyor.

Nozzle size: 4 - 6 mm, spray pressure: 2.0 - 2.5 bar.

Texturing:

MultiStruktur is easily and individually texturable, depending on the desired visual effect . Particularly suitable are trowels, soft brushes, etc.

MultiStruktur Fine has to be textured with special ArteTwin trowel for surface treatment (spackling) technique in combination with Metallocryl Interior.

Further Treatment:

MultiStruktur is recoatable with DecoLasur Matt or Glossy, ArteLasur, ArteLasur Color or Metallocryl Interior. The hydrophobic surface of MultiStruktur has a high benefit, depending on the size of the object/area to be coated, room climate conditions and number of staff members working on the job. Please consider: The final hydrophobic effect is reached after approx. 2 to 3 days.

Surface Coating System	Absorbent surfaces: Apply one priming coat of OptiGrund E.L.F., CapaSol LF or CapaSol LF Concentrate. Non-absorbent surfaces: Prime with Caparol-Haftgrund (only suitable before applying MultiStruktur Fine) or use Putzgrund 610 before applying MultiStruktur Medium and Coarse. Sound/stable, slightly and evenly absorbent surfaces may be coated without any pre-treatment.
Consumption	Consumption may vary depending on the applied coating thickness, used application technique and tools, and the desired visual appearance of the surface to be coated. Fine graining: Approx. 500 - 700 g/m ² Medium graining: Approx. 600 - 750 g/m ² Coarse graining: Approx. 650 - 800 g/m ² Spiral conveyor pump: Approx. 500 - 1,000 g/m ² The exact rate of consumption is best established by a trial coating on site.
Application Conditions	Minimum Temperature for Application and Drying: +5 °C for product, substrate and ambient air.
Drying/Drying Time	At 20 °C and 65 % of relative humidity surface-dry after approx. 6 to 8 hours. Thoroughly dry and ready for stress (loadable) after approx. 1 to 2 days. Lower temperatures and/or higher relative humidity extend the drying time.
Tool Cleaning	Clean tools/equipment immediately after use with water.
Note	Being natural products, the quartz granules (natural sand) used for filling Capadecor MultiStruktur may cause slight colour variations in the finishing coat. Only MultiStruktur buckets marked with identical batch numbers should be used or, if utilising different batches, it is always necessary to mix the entire quantity needed in advance. To avoid lapping, care should be taken to apply the product wet-on-wet without interruption. Due to the use of Caparol-Tiefgrund TB in the interiors, a typical solvent odour is released, hence proper ventilation must be provided during application and drying. Use aromatic-free, low odour AmphiSilan-Putzfestiger in sensitive areas. 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.

Advice

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. Do not empty into drains, water courses or into the ground. Further information: See Material 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: 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): max. 30 g/l (2010). This product contains < 1 g/l VOC.
Product Code Paints and Enamels	M-DF01
Substances of Content - Declaration	Polyacrylate resin/polyvinyl acetate resin, titanium dioxide, calcium carbonate, silicates, waxes, water, additives, preservative
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. 897 · Capadecor®
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