

Nespri-TEC System

Nespri® FiXX

Special interior paint for efficient coating using the Nespri-TEC spraying method.

Product Description

Field of Application:

For application with special, mist-free Nespri-TEC spraying method. High coverage interior paint for matt coatings on walls and ceilings. Due to high filling properties of Nespri® FiXX the paint is ideally suitable for coating wood-chip wallpapers, equalising butt joints.

Properties:

- Economic application with special, mist-free Nespri-TEC spraying method.
- Emission-minimised, solvent-free, free of softeners.
- Free of fogging-active substances.
- Water-thinnable.
- Diffusion-capable.
- s_d -value < 0.1 m.
- Excellent opacity/coverage.
- Can be touched up.
- Due to the high covering power in most cases one application will be sufficient.

Characteristics to DIN EN 13 300:

- **Wet abrasion:** Class 3, corresponds as wash-resistant to DIN 53 778.
- **Contrast ratio:** Coverage Class 1, with a usage of 5.5 m²/litre or 175 ml/m².
- **Gloss level:** matt
- **Maximum particle size:** fine (<100 µm)

Tinting may cause variations.

Vehicle:

Synthetic dispersion to DIN 55 945.

Density:

Approx. 1.5 g/cm³

Colour:

White.

Can be tinted with AVA – Amphibolin or CaparolColor colourants.

White Nespri® FiXX material can be mixed in the hues of CaparolColor.

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

Spray-mist formation may possibly be increased by the use of self-tinted material.

Delivery of individual shades on request. Check tinted material before the application, to avoid differences in shade.

Always use material with the same batch number for application on connected surfaces.

Nespri® FiXX can be tinted in pastel shades via the ColorExpress machine system according to current colour collections up to a luminosity of approx. 70.

Brilliant, intensive tones offer a reduced covering power. It is therefore recommended to apply a first coat in a similar covering pastel tint, based on white. Possibly a second finishing coat may be necessary.

Please Note (Status as at July 2008):

Keep out of reach of children. In case of contact with eyes or skin, 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 residues of liquid materials as water-based paints, dried materials as hardened materials 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.



Packaging

Standard product:

- 25 litres hobbock
- 120 litres barrel
- 220 litres Quick-Box

ColorExpress

15 litres

Application

Surface Coating System:

One uniform coat of Nespri® FiXX, generously applied with special Nespray Airless unit and then - immediately - uniformly rolled with a standard short-fibre paint roller (12 –16 mm). On high-contrast, highly or unequally absorbent surfaces a preliminary priming coat has to be applied.

Method of Application:

Only to be applied with special Nespray Airless equipment.

Spray Application:

For surfaces: Spray angle 30° / nozzle: special Nespray double nozzle 0.016 – 0.019"; for trimming: spray angle 20° / special Nespray nozzle 0.013".

If a distance of 30 cm to the substrate cannot be guaranteed, a nozzle extension from Wagner Inc should be used.

The material temperature is automatically adjusted by the Nespray airless unit.

Shut down pressure (closed spray gun) is regulated on device in the blue marked area. Spraying pressure (opened spray gun) is then displayed in the green marked area.

Clean tools immediately after use with water. Other coating materials, especially primers, can also be applied with the Nespray airless unit, but by the use of other products a mist-free application cannot be guaranteed. Apply such products with corresponding precautions.

Consumption:

Approx. 175 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 – 6 hours. Completely dry and ready for stress after approx. 3 days.

Lower temperatures and higher relative humidity will extend the drying time.

Note:

To avoid lapping, the material should be applied wet-on-wet and without interruptions. 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 non-aromatic, low-odour AmphiSilan-Putzfestiger in sensitive areas.

Compatibility with other Paint Materials:

Do not mix with other materials than AVA or CaparolColor colourants.

Suitable Substrates and their Preparation

The substrate must be sound, 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 / Caparol Primer Interior. Sand 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 / Caparol Primer Interior or AmphiSilan Grundierfarbe Nespri-TEC to promote bonding.

Gypsum Plaster Boards:

Grind off burrs. Soft and sandpapered gypsum areas (spots of repairs) must be primed and strengthened with Caparol-Tiefgrund TB. Prime with Caparol-Haftgrund / Caparol Primer Interior, AmphiSilan Grundierfarbe Nespri-TEC, 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 releasing 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 Sand-Lime Brick Masonry:

No preliminary treatment required.

Sound Existing Coatings:

Matt, slightly absorbent coatings may be treated without a preliminary preparation. Sandpaper glossy surfaces and coatings of enamels/varnishes. Prime with Caparol-Haftgrund / Caparol Primer Interior or AmphiSilan Grundierfarbe Nespri-TEC.

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 / Caparol Primer Interior or AmphiSilan Grundierfarbe Nespri-TEC.

Prime highly porous, sanding or absorbent substrates with OptiGrund E.L.F. or CapaSol LF.

Remove unsound mineral paint 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.

Mildewed Surfaces:

Remove organic / mould growth by wet cleaning, then treat the surface with Capatex 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:

Wash off nicotine, soot or fat/grease stains with water adding a fat-dissolving household cleaner, and allow the surface to dry well. Clean dried water stains with a dry brush. Apply an insulating prime-coat with Caparol AquaSperrgrund fine (Technical Information No. 384).

Apply a finishing coat of Caparol IsoDeck on highly polluted surfaces (Technical Information No. 848).

Wood and Derived Timber Products:

Coat with water-thinnable, ecologically compatible Capacryl acrylic enamels or with Capadur Color.

Small Defects:


After having completed the necessary preparations, repair small defects with Caparol-Akkordspachtel in accordance with our specification, 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:

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e-mail: kundenservicecenter@caparol.de

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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. 147 Nespri® FiXX - issued: May 2008

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