

Muresko

High-grade SilaCryl® facade paint • mineral characteristics
highly diffusion-capable • highly water-repellent

Product Description

Field of Application:

For high-class exterior coatings on smooth and textured substrates. The unique SilaCryl® base provides optimum physical values, e.g. excellent moisture proofing, high water vapour permeability and sufficient CO₂ permeability. In addition the SilaCryl® base guarantees the same tint diversity, weather resistance, chalking stability and adhesion as high-quality pure acrylic based paints. On rough-textured renders/plasters Muresko provides texture preservation or texture equalisation, depending on the degree of dilution. Particularly suitable for the renovation of sound existing coats on autoclaved aerated concrete (AAC).

Properties:

- Water thinnable, ecologically compatible, low odour.
- Weatherproof.
- Water-repellent to DIN 4108.
- Alkali-resistant, hence unsaponifiable.
- Easy to apply.
- Excellent covering of edges.
- This product is provided with a preservative against deterioration in the coating due to algae and mildew growth.

Characteristics to DIN EN 1062:

- **Gloss level:** Matt (flat) G₃
- **Dry film thickness:** 100 – 200 µm E₃
- **Maximum particle size:** < 100 µm S₁
- **Water vapour permeability:** (s_d-value): < 0.14 m (high) V₁
- **Water permeability:** (w-value): ≤ 0.1 [kg/(m² · h^{0.5})] (low) W₃

Tinting may cause variations.

Vehicle:

Silicone resin + pure acrylate dispersion.

Density:

Approx. 1.5 g/cm³

Colour:

White.

Muresko can be tinted with CaparolColor or AVA – Amphibolin Colourants / full-shade paints.

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

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

Muresko (Base 1–3) can be tinted to all current colour collections via the ColorExpress tinting machine system. Brilliant, intensive tints may offer a lower 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.

Colour Resistance to BFS Data Sheet No. 26:

Class: B

Group: 1 to 3, depending on the shade

Supplementary Product:

Caparol Trocknungsbeschleuniger / Drying Accelerator

Additive to be used at low temperatures from +1 °C up to approx. +10 °C.

Application: Follow the product label.



provided with a preservative against deterioration in the coating due to algae and mildew growth

Please Note (Status as at October 2008):

Keep out of reach of children. In case of contact with eyes or skin, rinse immediately with plenty of water. If swallowed, seek medical advice immediately (intestinal flora may be infested). Do not empty into drains, water courses and onto the ground. Only apply with brush or paint roller. 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 containers with residues of liquid material as remnants of water-based paints and dried material as hardened paints waste or via domestic waste.

Product Code Paints and Enamels:

M-DF02F

Substances of Content - Declaration:

Acrylic resin dispersion, titanium dioxide, calcium carbonate, silicates, water, film forming agent, additives, preservatives, film preservatives.



Packaging:

2.5 litres, 5 litres and 12.5 litres

ColorExpress:

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

Application

Surface Coating System:

Remove mildew/mould or algae infestation by wet-blasting in compliance with the regulations. Treat the surfaces with Capatop and allow to dry well.

First or Intermediate Coat:

Muresko, diluted with max. 10% of tap water.

Finishing Coat:

Muresko, diluted with max. 5% of tap water. For retaining the texture of rough-textured substrates dilute the first coat max. 15 – 20% and the finishing coat max. 10%.

Method of Application:

Apply with paint brush, roller or airless roller. Clean tools immediately after use with water.

Consumption:

Approx. 200 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 humidity extend the drying time.

Note:

The materials should not be applied under a glaring sun, during strong wind, fog, high relative humidity, or imminent rain or frost. To avoid lapping on large surfaces, the material should always be applied wet on wet and without interruption. Do not apply on horizontal surfaces exposed to rain or moisture. Luminosity should be above 30 for applications on autoclaved aerated concrete (AAC) and above 20 on ETICS/EWI systems with sound existing coats. Facades in special climatic conditions (high degree of moisture) or subjected to a higher influence of atmospheric exposure: This product is provided with a preservative against deterioration in the coating due to algae and mildew growth for prolonged – but not unlimited – protection, depending on the degree of moisture and intensity of organic infestation. A permanent protection cannot be guaranteed. OptiGrund E.L.F. may be used instead of FungiGrund for substrate preparation on such infested substrates after having finished the cleaning procedure. Mechanical loads/scratching on matt facade paints in dark shades may produce bright-toned stripes as a product specific property (no writing resistance). They disappear under the influence of moisture, e.g. rain.

Suitable Substrates and their Preparation

The substrate must be sound, dry, clean, and free from all materials that may prevent good adhesion. Follow VOB, part C, DIN 18 363, para. 3.

New and Existing, Sound ETICS/EWI Systems with Surfaces of Synthetic Resin-Bound Render/Plaster, Silicate Render/

Plaster, Silicone Resin Render/Plaster, Lime Cement Plaster (PII):

Wet cleaning by suitable means. Maximum temperature for hydraulic blasting: 60 °C. Pressure: max. 60 bar. Allow to dry well. Coat with Muresko according to the type of finish render and details as mentioned below.

Renderers/Plasters: Class P II (Lime-Cement Mortars), Class P III (Cement Mortars) or Silicate-Based:

New renderers/plasters must be left untreated for a sufficiently long time, normally for 2 weeks at 20 °C and 65% relative humidity. Adverse weather conditions, influenced e.g. by wind or rain, extend the curing process and a correspondingly longer idle period must be respected. The risk of calcareous efflorescence can be reduced by an additional priming coat of CapaGrund Universal and the finishing render/plaster coat may be coated after an idle period of 7 days.

Existing renderers/plasters: Repairs must have adequate time to cure and dry. Prime coat of OptiGrund E.L.F. on highly porous, absorbent, slightly sanding renderers/plasters. Prime highly sanding, chalking substrates with Dupa-grund or use AmphiSilan-Putzfestiger on PS boards for ETICS/EWI systems.

Autoclaved Aerated Concrete (AAC) with Sound Existing Coatings:

Clean the existing surface and apply a priming coat with CapaGrund Universal. See our Disbon product range for the renovation of unsound AAC coatings.

Concrete:

Concrete surfaces with deposits of dirt or fines/sintered layer must be cleaned mechanically or with high-pressure cleaning equipment (pressure washer), in compliance with the regulations.

Apply a priming coat of CapaGrund Universal on slightly absorbent or smooth surfaces. Prime highly porous, slightly sanding or absorbent surfaces with OptiGrund E.L.F. Prime chalking surfaces with Dupa-grund.

Cement-Bound Wood Chipboards:

Apply a priming coat of Disbon 481 EP-Uniprimer on highly alkaline cement-bound chipboards (particle boards) to prevent calcareous efflorescence. (Follow BFS Data Sheet No. 3, paragraph 2.2.5.)

Fair-Faced Brick Masonry:

Only frost resistant bricks, free of foreign inclusions are suitable for exterior coating. Masonry must be dry and free of salts/salty efflorescence, jointing must be free of cracks. Prime with Dupa-grund. If brown discoloration appear on the intermediate coat the material has to be recoated with anhydrous / solvent-based facade paint Duparol (Technical Information No. 150).

Sound Coatings of Enamel or Dispersion Paint:

Clean dirty, chalking coatings by high pressure water jet, in compliance with the regulations. Apply a priming coat of CapaGrund Universal.

If other cleaning methods are used (washing, wire brushing, hosing with water), prime with Dupa-grund or use AmphiSilan-Putzfestiger on PS insulation boards.

Sound Coatings of Synthetic Resin-Bound or Silicone Resin Render/Plaster:

Clean existing coatings by suitable method. In case of wet cleaning, allow to dry well before any further treatment.

Unsound Mineral Coatings:

Remove completely (abrade, brush off, scrape off, hydraulic blasting), in compliance with the regulations, or by other suitable methods.

In case of wet cleaning allow the substrate to dry well before any further treatment. Prime with Dupa-grund.

Unsound Coatings of Dispersion Paint or Synthetic Resin-Bound Render/Plaster:

Remove completely by suitable method, e.g. mechanically or by stripping and subsequent cleaning by high pressure water jet, in compliance with the regulations.

Apply a priming coat of CapaGrund Universal on slightly absorbent or smooth surfaces. Prime chalking, sanding, absorbent surfaces with Dupa-grund.

Surfaces Contaminated with Industrial Gases or Soot:

Coat with the anhydrous / solvent-based facade paint Duparol (Technical Information No. 150).

Cracks in Render/Plaster or Concrete:

Coat with Cap-elast (Technical Information No. 160).

Surfaces with Salty Efflorescence:

Remove salty efflorescence by dry wire brushing. Prime with Dupa-grund. Coating of such surfaces must be considered a risk for which we cannot accept responsibility, since even after the most thorough treatment the efflorescence may recur.

Defects:

Repair small defects with Caparol Fassaden-Feinspachtel. Deeper damages up to 20 mm should be repaired with Histolith-Renovierspachtel. Prime the repaired areas. Follow Technical Information No. 710 and No. 1029.


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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Technical Information No. 110 Muresko (SilaCryl® Base) - Revised: October 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 Technical Information is a translation of our German Technical Information No. 110 Muresko SilaCryl® (German standard material) - issued: May 2008

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