

Muresko

**High-grade Silacryl® exterior paint • mineral characteristics
highly diffusible • 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. high protection against moisture, 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 paints. On coarse 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 aerated autoclaved concrete (AAC).

Properties:

- Water thinnable, ecologically compatible, and low odour.
- Weatherproof.
- Water-repellent to DIN 4108.
- Excellent rain protection to the class “low water-permeability” of DIN EN 1062, w-value: < 0.1 [kg/(m² · h^{0.5})].
- High diffusion, according to the class “high water vapour diffusion” of DIN EN 1062 part 2, s_d-H₂O value < 0.14 m.
- 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.

Packaging

Standard product Muresko:

2.5 lit., 5 lit. and 12.5 lit.

ColorExpress:

1.25 lit., 2.5 lit., 7.5 lit. and 12.5 lit.

Vehicle:

Silicone resin + pure acrylate dispersion.

Density:

approx. 1.5 g/cm³

Gloss Level:

Matt.

Colour:

White.

Muresko is self-tonable with Alpinacolor and AVA – Amphibolin Colourants / full-tone paints.

Self-tinted material must be prepared in advance and mixed in order to avoid differences of shade. Quantities of 100 lit. or more in individual shades, may be ordered ready-tinted from the factory.

Muresko Base 1–3 can be tinted via the ColorExpress machine system in the colour-tone collections of Caparol 3D-System, CaparolColor, Alpinacolor, AmphiSilan/Sylitol, and many more shades prevalent in the market.



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Storage:

Cool, but protected from frost.

Please Note:

Keep out of the 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. Further information: see Safety Data Sheets.

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: Do not dispose of liquid material via household refuse. Dispose of packaging with remnants of dried material as construction site waste, old hardened paints or via household refuse.

Product-Code for Paints & Enamels:

M-DF02F

Declaration of Ingredients:

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



Application

System of Application:

Remove mildew and algae growth by water jet observing the regulations. Treat the surfaces with Capatop and allow to dry thoroughly.

First or Intermediate Coat:

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

Finishing Coat:

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

Method of Application:

Apply only with brush or roller.

Consumption:

Approx. 200 ml/m² per coat on smooth substrates. On rough surfaces accordingly more. The exact rate of consumption is best established by a trial application.

Minimum Temperature for Application and Drying Period:

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

Drying Time:

At +20 °C and 65% relative humidity surface-dry and recoatable after 4 – 6 hours.

Thoroughly dry and ready for stress after approx. 3 days.

Lower temperatures and higher humidity will lengthen the drying time.

Note:

For exterior coatings observe the instructions given in VOB, part C, DIN 18 363, paragraph 3.1.10.

Avoid application on sun heated substrates, during strong wind, fog or rain, high relative humidity or imminent rain and frost.

To avoid lapping, the material should be applied wet-on-wet and without interruption. Muresko materials are unsuitable for application on horizontal surfaces exposed to rain or moisture.

For coating porous aerated concrete (AAC) with sound existing coat, lightness-value (luminosity) should be above 30.

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.

Suitable Substrates and their Preparation

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

Observe the recommendations of VOB, Part C, DIN 18 363, Paragraph 3.

ETICS / EWI Systems

Intact external thermal insulation composite system surfaces made of synthetic-resin, silicate-based, silicone resin or lime-cement renders/plasters:

Clean the renders/plaster surfaces by suitable means. While cleaning with high-pressure jet, particularly steam-jet, on sound existing synthetic renders the temperature should not exceed 60 °C. Allow to dry thoroughly after cleaning.

Prime highly porous, absorbent, slightly sanding renders/plasters with Caparol Acryl-Hydrosol.

Prime highly sanding, chalking substrates with Colarol-Putzfestiger.

Conventional Exterior Surfaces

Plasters/Renders of Mortar Groups

P II & P III:

New renders/plasters must be left untreated for 2 – 4 weeks. Replastered surfaces must be allowed to bind and dry properly.

Prime highly porous, absorbent and slightly sanding surfaces with Caparol Acryl-Hydrosol.

Prime highly sanding, powdery/chalking substrates with Dupa-grund.

Aerated Autoclaved Concrete (AAC) with Sound Existing Coatings:

Clean the existing surface. In case of weathered paint coatings or highly absorbent surfaces, apply a priming coat of Capagrund. See our Disbon program for the renovation of unsound AAC coatings.

Concrete:

Concrete surfaces with deposits of dirt or powdery-grain (fines/sintered) layer, must be cleaned mechanically or with high-pressure jet, observing the regulations.

Apply a priming coat of Capagrund on less absorbent or smooth surfaces.

Prime highly porous, slightly sanding or absorbent surfaces with Caparol Acryl-Hydrosol. Prime chalking surfaces with Dupa-grund.

Cement-Bound Wood Chipboards:

Prime-coat of Disbon 481 EP-Uniprimer must be used on highly alkaline cement-bound chipboards (particle boards) to prevent calcareous efflorescence. Observe 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 discolouration 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:

Roughen up glossy surfaces and enamels. Wash off old chalking layers, dirt, etc., by high-pressure water jet, observing the regulations.

Apply a priming coat of Capagrund. If other methods are used for cleaning (washing, brushing, spraying), then prime with Dupa-grund, thinned with approx. 20% of methylated spirit.

Sound Synthetic Resin-Bound Render/Plaster Coatings:

Clean existing renders/plasters by suitable method. In case of wet cleaning, allow the surface to dry thoroughly before further treatment. Prime with Capagrund.

New renders/plasters can be coated without pre-treatment.

Unsound Mineral Coatings:

Remove the coating completely by grinding, brushing off, scraping off, or high-pressure water jet or other suitable methods according to the regulations.

In case of wet cleaning allow the substrate to dry thoroughly before further treatment.

Prime with Dupa-grund.

Unsound Coatings of Enamel, Dispersion Paint or Synthetic Resin-Bound Renders/Plasters:

Remove completely by suitable means, e.g. mechanically or with paint stripper and clean the surface with a high-pressure steam jet according to the regulations.

Apply a priming coat of Capagrund on less absorbent or smooth surfaces. On powdery/chalky, sanding, absorbent surfaces, apply a priming coat of Dupa-grund.

Surfaces Contaminated with Industrial Gases or Soot:

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

Cracks in Render/Plaster or Concrete:

Repair with the crack-bridging system Cap-elast (Technical Information No. 160).

Surfaces with Salty Efflorescence:

Remove salty efflorescence thoroughly with a dry brush and 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 preferably with Capalith-Fassadenspachtel P, and prime repaired areas subsequently. Observe Technical Information No. 710 and No. 720.

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 is to be coated which is not specified above.

Technical Information No. 110 Muresko (SilaCryl® Base) - Issue: October 2004

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 the German Technical Information No. 110 Muresko SilaCryl® (German standard material), release date: March 2004

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