Capacryl Aqua PU-Matt

High-quality polyurethane-acrylic enamel for interior use.

Product Description

Field of Application	Water-dilutable (waterborne) polyurethane-acrylic enamel for professional intermediate and finishing (top) coats indoors. Suitable for use on primed wooden parts as well as for primed metals and unplasticized (rigid) PVC. Matt surfaces are sensitive to stress by scratching and scouring. Preferably use Capacryl PU-Satin/Gloss for surfaces with higher mechanical stress/loads and all permanently touched parts, e.g. in public buildings.
Material Properties	■ Water-dilutable (waterborne) ■ Dull matt ■ Low odour ■ Non-blocking ■ Diffusion-capable ■ Resistant to common household detergents
Material Base / Vehicle	Polyurethane-acrylic dispersion/emulsion
Packaging/Package Size	9.4 - 2.4 - 0,96 litres.
Colours	White. Tintable via the ColorExpress stations in colour shades of Caparol 3D PLUS collection and in many shades of other current colour collections. A material typical (limited) pigment abrasion may occur on the surface of matt enamels, such as Capacryl Aqua PU-Matt, particularly when the product is tinted in dark and intensively coloured shades.
Gloss Level	G_3 Matt, ≤ 10 Gloss @ 85° according to EN 1062
Storage	Keep in a cool, but frost-free place. Shelf life: 12 months in original, tightly closed cans/containers.
Technical Data	■ Dry film thickness: E_1 according to EN 1062, approx. 40 µm, corresponding to 80 µm of wet layer.

Application

Suitable Substrates	Primed wood component parts, primed metals and unplasticized/rigid PVC, indoors. The substrate must be clean, sound/stable, dry and free from all substances that may prevent good adhesion.

Substrate Preparation

Wooden Parts:
Sand the surface in fibre direction, clean thoroughly and prime with a suitable insulating primer, if necessary.

Iron, Steel:
Derust according to industry standard SA 2½ (blasting) or ST3 (mechanically) according to DIN EN ISO 12 944-4, followed by an anti-rust priming coat.

Zinc (Galvanised Substrates), Unplasticized/Rigid PVC:
Wash with light ammonia solution using a sanding pad/non-woven web. Allow to dry and prime with a suitable primer.

Aluminium, Copper:
Clean with nitro-thinner (diluent for cell lacquers) using a sanding pad/non-woven web. Allow to dry and prime with a suitable primer

Existing Paint Coatings:
Sand the surface and/or treat with alkaline solution. Remove unstable existing coatings and prime as per substrate requirements.

Preparation of Material

Stir well before use.

Method of Application

Brush, roller or suitable spraying systems.
Manual application on large surfaces: Apply with a textured, short pile polyamide (nylon) roller and treat immediately with a fine-porous foam roller or Orelmix brush.
For a fast application and an even surface treatment the tool sizes should be adjusted to the surface area.

Spraying application:
Airless: Ø Nozzle: 0,008–0,012", Pressure: 200 bar
Air Mix: Ø Nozzle: 0,011–0,015", Spraying pressure: 120 bar, Nozzle pessure: 2,5 bar

Thinning

Ready to use.
If necessary, with max. 5% of tap (potable) water for intermediate coat.

Surface Coating System

Priming Coat:
Wood, derived timber products: Capacryl Holz-IsoGrund [2)]
Iron, steel: Capalac AllGrund
Zinc (Galvanised surfaces), Aluminium/copper, Rigid PVC, Stable existing paint coatings: Capacryl Aqua Uniprimer

[2)] Always apply Capacryl Holz-IsoGrund on wood with content of water-soluble, discolouring substances (2x on knots).

Intermediate Coat
Where necessary apply Capacryl Aqua PU- Primer.
The intermediate coat should match the finishing coat in shade. For colour shades of low opacity (e.g. red, yellow and orange pigmented) a matching colour is automatically selected via ColorExpress, thus a better opacity is achievable for finishing/top coats. This shade may differ from the selected colour in favour of the hiding power of top coats.

Finishing Coat
1 -2 layer with Capacryl Aqua PU-Matt.
Colour shades of low opacity (e.g. yellow/red/orange pigmented) may require an additional coat.

Note: Adhesion must always be tested in advance for powder coatings, coil coatings and other critical substrates by trials (coating a test area on site).

Consumption

Approx. 100 - 120 ml/m^2 ; 8 - 10 m^2/l per coat.
Consumption is a guide value and may vary, depending on substrate requirements. Determine the exact amount of material required by coating a test area on site.

Application Conditions

Low Temperature Limit for Application and Drying:
Min. 8 °C for product, substrate and ambient air.

Drying/Drying Time

At 20 °C and 65 % relative humidity.	**dust dry**	**recoatable**	**cured**
after hours	1 - 2 hours	10 - 12 hours	48 - 72 hours

Lower temperatures and higher humidity extend the drying time.

Tool Cleaning

Immediately after use with water.

Advice

Please Note (Status as at Date of Publication)	Keep out of reach of children. Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the product. In case of contact with eyes or skin, immediately and thoroughly rinse with water. Do not allow product to enter drains, waterways or soil. Clean utensils immediately after use with soap and water. Use P2 dust filter for grinding. Do not breathe spray dust. Use A2/P2 combination filter for paint spraying. Further information: See Material Safety Data Sheet (MSDS). Contains: 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.
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. Only completely empty containers should be handed in for recycling. 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 waste.
EU limit value for the VOC content	of this product (category A/d): max. 130 g/l (2010). This product contains max. 130 g/l VOC.
Substances of Content - Declaration	Polyurethane/acrylate resin, titanium dioxide, coloured pigments, mineral fillers, water, glycols, glycol ether, additives, preservatives (methyl-/benzisothiazolinone).

Caparol Italia - divisione della DAW Italia GmbH & Co KG · Largo R. Murjahn, 1 · 20080 Vermezzo (MI) · Tel. +39 02 9485521 · fax +39 02 948552297 · email: info@dawitalia.it · web: www.dawitalia.it