

Aqua-inn N° 1

Water-dilutable, highly covering insulating paint for interior use. Low tension renovation paint for acoustic boards.



Product Description

Field of Application

Water-dilutable and fast-drying interior paint with high opacity, for noble, matt surfaces. Particularly suitable as insulation paint for interior rooms which have to be open to the public within shortest time, as well as insulating coat on surfaces soiled with nicotine, soot, lignin and dried up water stains. Permeating substances of the substrate are properly insulated. Also suitable for repainting acoustic ceiling panels and sound-control plasters, when applied in accordance with given instructions for restoration.

Material Properties

- High insulating effect.
- Non-yellowing.
- High degree of whiteness.
- High opacity (hiding/covering power).
- Easy to apply.
- Priming and topcoat paint.
- Thin-film forming, surface texture keeping.
- Low tension.
- Diffusion-capable.
- s_d -value < 0.14 m

Material Base / Vehicle

Synthetic resin dispersion/emulsion according to German standard DIN 55945.

Packaging/Package Size

- **Standard Product:** 5 litres, 12.5 litres. Airfix: 25 litres hobbock

Colours

White.

The paint is tintable to a max. of 3 % with universal colour pastes. If more than one container is manually tinted, all product must be thoroughly mixed before use in order to avoid colour differences. Quantities of 100 litres or more in individual colour shades may be ordered ready-tinted ex factory.

Aqua-inn N°1 can be tinted to all current colour collections via the ColorExpress tinting & mixing machine system, up to luminosity/lightness index (LI) approx. 70. Check tinted product before applying in order to avoid colour differences. Always use tinted paint of same batch, when applying on seamless surfaces.

Gloss Level

Dull matt (Dead-matt according to DIN EN 13 300)

Storage

Keep in a cool, but frost-free place.

Technical Data

Characteristics according to DIN EN 13 300:
Tinting may cause variations.



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- Wet abrasion: Wet scrub resistance Class 1, corresponds to "scrub resistant" according to German standard DIN 53778.
- Contrast ratio: Opacity/hiding power Class 1, with a spreading rate of 6 m²/l or 150 ml/m²
- Maximum particle (grit) size: Fine (< 100 µm)
- Density: Approx. 1.37 g/cm³

Suitability according to
Technical Information No. 606
Definition of Application Areas

Interior 1	Interior 2	Interior 3	Exterior 1	Exterior 2
+	+	○	-	-
(-) inapplicable / (○) of limited suitability / (+) suitable				

Application

Suitable Substrates

The substrate must be sound/stable, dry, clean, and free from all substances that may prevent good adhesion. In Germany: Follow VOB, part C, DIN 18363, section 3.

Substrate Preparation

Solid, slightly absorbent substrates or sound/stable, matt (flat) existing paint coatings can be coated without any preliminary treatment. Prime sanding, highly absorbent substrates or soft, sanded/grinded gypsum plasters with Caparol-Tiefgrund TB or AmphiSilan-Putzfestiger.

Surfaces Stained with Nicotine or Soot:

Wash off nicotine or soot deposits and coat the surface without additional pre-treatment.

Dried-Up Water Stains:

In individual cases the insulating effect of Aqua-inn N^o 1 may be insufficient. For such problematic cases a trial application is essential and, if necessary, apply an additional suppressing coat of Caparol AquaSperrgrund, Capalac Isolierspray or Capacryl Holz-Isogrund. Clean dried-up water stains by dry scrubbing.

Lignin Discolouration on Gypsum Plasterboards:

Surfaces can be coated without additional pre-treatment.

Sound-Absorbing Covering Ceilings and Sound-Control Plasters:

The restoration of sound-absorbing systems requires a special approach. Detailed instructions are provided in the Caparol manual for spraying technology. The manual can be ordered via Caparol. Please ask for advice, if necessary.

Revision:

Aqua-inn N^o 1 can be coated with itself. On subsequently applied wallpapers apply one intermediate coat of Caparol Haftgrund or Caparol AquaSperrgrund.

Small Defects:

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

Method of Application

Apply with paint brush, roller or suitable spraying equipment.

Airless Application:

Spray angle: 40° - 50°

Nozzle size: 0.019" - 0.021"

Spray pressure: approx. 200 bar

(Only air-assisted airless paint spray equipment is suitable for acoustic system applications.)

Surface Coating System

One even, liberally applied coat of undiluted Aqua-inn N^o 1.

Surfaces with colour contrast or high contamination/soiling: One previously applied priming or intermediate coat of Aqua-inn N^o 1, diluted to a max. of 5 % with tap (potable) water.

On unevenly absorbent substrates apply one priming coat of AquaSperrgrund or Caparol-Haftgrund.

Consumption

Approx. 150 ml/m² per coat on smooth substrates. On roughly textured surfaces correspondingly more. Determine the exact amount of material required by coating a test area on site.

Application Conditions

Lower Temperature Limit for Application and Drying:

+ 5 °C for product, substrate and ambient air.

Lower temperature limit to achieve an optimal insulating effect: +16 °C.

Drying/Drying Time

At +20 °C and 65 % relative humidity: surface-dry after 4-6 hours and recoatable after 12 hours. Completely dry (cured) and ready for stress after 3 days. Lower temperatures and higher humidity extend the drying time.

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Note	<p>Apply wet-on-wet without interruption to avoid lapping. Many types of impurities can be dissolved in a particular substrate, hence previously applied trials are recommended before applying paint coatings on contaminated surfaces. Do not use Aqua-inn N^o 1 on surfaces exposed to moisture or water vapour (damp locations).</p> <p>Stir and sieve the paint thoroughly for airless spray application. Due to the use of Caparol-Tiefgrund TB in interiors, a typical solvent odour is released, hence proper ventilation must be provided during application and drying phase. Use non-aromatic, low-odour AmphiSilan-Putzfestiger in sensitive areas.</p> <p>Compatibility: Do not mix the paint with other materials.</p>
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Advice

German Certificates

- Measuring of acoustic (sound) absorption in accordance with DIN EN 20 354.
Test report No. 48 690, sonic-engineering consulting centre Müller-BBM, Planegg.

Please Note (Status as at Date of Publication)

Keep out of reach from 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. Do not breathe spray dust.
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.
In Germany: Advice for allergy sufferers with isothiazolinone allergy: German hotline 0180/5308928 (0.14 €/minute from German landline, MTS max. 0.42 €/minute).

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 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/municipal or domestic waste.

EU limit value for the VOC content

of this product (category A/g): max. 30 g/l (2010). This product contains max. 30 g/l VOC.

Product Code Paints and Enamels

M-DF01 (Germany)

Substances of Content - Declaration

Polyacrylate resin, titanium dioxide, silicates, calcium carbonate, water, additives, preservative (Methylisothiazolinone, Benzisothiazolinone).

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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.321 · Aqua-inn N^o 1 · Issued: March 2022