Aqualoma ELF 202

Aqualoma ELF 202

Low-emission, solvent- and plasticizer-free Isolating paint, AgBB-tested, low odor, white, dull matt, for interior use

Properties

Low-emission, solvent- and plasticizer-free, low-odor, isolating paint based on an alkyd resin emulsion. Free of fogging-active substances. Water-dilutable, dull matt, good hiding power, with outstanding isolating effect on surfaces exposed to nicotine as well as surfaces cleaned of soot and oil. Reliably hides dried water spots and water-soluble, coloring components on gypsum plasterboard. Highly diffusible and very easy to apply. Does not dissolve Styrofoam.
Additionally, tested for its degree of sound absorption in accordance with DIN EN ISO 354, test report no. 420001658. For sound-absorbing applications, refer to special instructions in "Sound-absorbing applications".

Field of application

For isolating repair coats, e.g. restaurants, canteens, kindergartens, kitchens, etc. Aqualoma ELF 202 can be used as top coat or can be painted over using latex paints or covered by wall paper, etc.
Can be used as matt, sound-absorbing, open-pore coat on, OWA acoustics element ceilings, acoustic plaster carrier ceilings, acoustic plasters and similar system substrates which can be painted over with waterborne materials.

Material description

Standard color: 0095 white. Further pastel colors can be mixed using the Brillux colour system.
Material basis: watery dispersion on alkyd resin emulsion basis
Diffusion-equivalent air layer thickness:
s_d (H_2O) < 0.14 m,
corresponds to class I
“highly water vapor permeable”
according to DIN EN ISO 7783
Density: approx. 1.5 g/cm³

Classification acc. to EN 13300
- Wet abrasion Resistance: Class 2
- Contrast ratio: Class 2 at 8 m²/l
- Gloss: dull matt
- Maximum particle size: fine

Packaging:
0095 white: 5 l, 15 l
Color system (paint mixing equipment): 15 l

Use

Thinning
Apply first coat and for sound-insulating applications unthinned. Following coats can be thinned with water (up to a max. of 5 %).

Tinting
Only with Mixol Universal Tinting Concentrate 1128 up to a max. of 0.2 % without reduction of isolating effect.

Compatibility
May only be mixed with materials of the same type and the materials specified for this purpose in this data sheet. Aqualoma ELF 202 cannot be mixed with latex paints or latex-paint bound tinting paints.

Application
Stir Aqualoma ELF 202 thoroughly before use. We recommend using an electric stirrer. Aqualoma ELF 202 can be applied by means of a paintbrush or paint roller and using an airless spray method. Apply first coat unthinned, generously and uniformly.
Special paint for sound-insulating applications Aqualoma ELF 202 should be applied using the open speckling method (little material and much air), to maintain the porosity of the acoustic boards/plasters and thus the acoustic effect.
Before execution of the work, the substrate must be checked for suitability, in particular as regards the acoustic effect. Before spray application, cover adjacent areas not to be painted, e.g. windows, walls. To do this, apply the material in circular movement and at a spray distance of approx. 50 cm. Make sure that not closed paint film is produced. Do not apply the material in straight lines, because this would produce bright-dark effects and linear shadowing. In any case allow for proper drying (approx. 12 hours) before applying the next coat. If paint is applied using the open speckling method, a slightly cloudy appearance (when exposed to rim light) cannot be avoided.
In the case of spray application, do not inhale spray fog, wear appropriate protective clothing.

Consumption
Approx. 140 to 180 ml/m² per coat.
When applied on acoustic ceilings, approx. 150 to 200 ml/m², per work cycle. Consumption depends on quality of substrate. Determine exact consumption by way of a test application on the object.

Application temperature
Do not apply below +5 °C (air and object temperature). Favourable temperatures between +15 °C and +23 °C. Relative atmospheric moisture must not exceed 80 %.

Tool cleaning
After use, clean tools with water. After spraying and before changing materials, it is absolutely necessary to thoroughly clean the equipment used to prevent damage to the it as well as to hoses and nozzles.

Drying (+20 °C, 65 % rel. humid.)

Allow to dry for 12 hours before applying the next coat.
Also allow to dry for 12 hours, before painting over with latex paints or applying other wall coverings.
Ensure good drying conditions. Delayed drying, e.g. caused by low temperatures and/or high atmospheric moisture will reduce the isolating effect.

Storage

Cool and dry. Reseal containers tightly.

Declaration

Note
Contains preservatives.

Water pollution classification
Class 1 according to VwVwS.

Product-Code
M-DF 01.

The data in the current Safety Data Sheet applies.

Airless spray data

Nozzle hole inch		Spray angle	Pressure bar	Thinning
0.023	0.58	40°	approx. 180	unthinned

Airless spray data for use on acoustic ceilings

Spray devices	Nozzle opening	Pressure	Thinning
Airless device plus speckling kit	speckling kit 4 mm	air support 2 to 3 bar	unthinned

The exact setup of the device (air pressure and material supply) should be determined before starting the work by producing appropriate samples. The "pot size" diameter should be between 1 and 3 mm.

Building up the coating

Surface preparation

The surface must be solid, dry, clean, load bearing and free from efflorescence, sintered layers, separating agents, corrosion promotion components or other intermediate layers affecting the adhesion. Water stains must have dried completely.

Check existing coats for suitability, carrying capacity and adhesiveness. Remove defective and unsuitable coats thoroughly and dispose of them as per the applicable regulations. Thoroughly remove any glue paint. Wash down intact coats of oil paints and varnishes with an alkaline solution, sand down well and clean. Remove any wall cover

ings not suitable for paint coating, including any paste or glue residue Fluate re-plastered areas properly. Remove dirt, nicotine, soot, oil and grease residues, using a grease-dissolving cleaning agent, e.g. Uni-Cleaner 1032. Prepare the substrate depending on the requirements. Also refer to VOB Part C, DIN 18363, Par. 3.

Surfaces	Priming coat	Intermediate coat	Top coat
normal absorbent surfaces, e.g. matt dispersion	If necessary Lacryl Deep Penetrating Primer ELF 595	If necessary, depending on the requirements, Aqualoma ELF 202, apply undiluted, thick and evenly	Aqualoma ELF 202 [1)]
non or weak absorbent surfaces, e.g. oil and varnish paint coats, glossy dispersion	Adhesion Primer ELF 3720		
wall coverings, e.g. wood-chip, Rapidvlies, embossed wallpapers etc.			
Interior plaster (normal plaster of mortar groups PII, PIII), concrete	If necessary Lacryl Deep Penetrating Primer ELF 595 or Solvent Deep Penetrating Primer 545		
Plaster (mortar group PIV), plasterboard, gypsum wall-board	Depending on requirements Lacryl Deep Penetrating Primer ELF 595 or Solvent Deep Penetrating Primer 545		
dried water stains	matched for the requirements of the Substrate as above	Aqualoma ELF 202, apply undiluted, thick and evenly	Aqualoma ELF 202

[1)] The surfaces can be coated with dispersion paint, wallpapers, etc., after drying if required.

Substrates	Prime coat	Intermediate coat	Finish coat
OWA acoustic element ceilings, acoustic plaster carrier ceilings, acoustic plasters and similar system substrates		Aqualoma ELF 202 in open speckling method	Aqualoma ELF 202 in open speckling method

Notes

Discoloring in the case of gypsum plasterboard
Can also be used as sealing prime coat against coloring constituents (through-shining yellowing) on gypsum plaster. For better assessment, we recommend samples across several boards, including joints and filled areas.

Reduced isolating effect
The isolating effect depends on the object situation and the drying conditions on site. If necessary apply some test samples on site for proper assessment. Water and/or water vapor impact can cause shining through of water-soluble colored substances due to the diffusibility of Isolating Aqualoma ELF 202. If necessary, a diffusion-inhibiting paint coat, e.g. CreaGlas 2C PU-Finish 3471, should be applied. Please consult Brillux consulting service, if necessary.

Smoothening rough surfaces
If required, level rough surfaces before building up the coat, e.g. using Plastering Hand-Applying Filler 1886.

Compatibility with sealing compounds
When coating sealants, such as acrylic sealing compounds, cracks may arise in the coating material due to the higher elasticity. Additionally, discoloring of the coating may occur. Due to the great variety of coating systems which are available on the market, we recommend test applications to assess adhesion properties and application results.

Repairs
Repairs to the surface become more or less strongly apparent depending on the situation on site. This is unavoidable according to BFS Leaflet No. 25, Item 4.2.2.1, Section e).

Further specifications
Note the additional information in the Data Sheets of the products that are to be applied.

Remark

This Data Sheet was prepared taking into account the German laws, standards, specifications and codes of practice. All details were translated on the basis of the current German version. The contents do not form part of a legal contract. The user/purchaser is not released from the responsibility of checking that our products are suitable for the intended use. In addition, our general terms and conditions of business apply.

When a new version of this Data Sheet appears with updated information the previous version becomes invalid. The current Version of this information sheet can be obtained at Brillux.
Version I

Brillux
PO Box 16 40
48005 Münster
Tel. +49 (0)251 7188-0
Fax +49 (0)251 7188-105
www.brillux.com
www.brillux.de
info@brillux.de