

Maler DIN Airless LEF

Dead matt dispersion-based interior paint of opacity class 2 and wet scrub resistance class 3. Adjusted for spray application.



Product characteristics

Properties	<ul style="list-style-type: none"> • Good covering capacity • Easy to apply • Solvent- and plasticizer-free • Free of fogging-active agents
Areas of application	Interior only
Suitable substrates in detail	Perfectly suitable for coatings with woodchip wallpapers in the field of large scale projects



Material description

Binder	Synthetic dispersion
Density	1.6 kg/l
Maximum particle size	Class S ₁ according to DIN EN 1062-1 S < 100 µm according to EN ISO 1524
Wet scrub class	R-Class 3 according to DIN EN 13 300
Opacity class	H ₁₀ -Class 2 at 6 - 7 m ² /L according to DIN EN 13 300
Gloss level	G4 Dead matt according to EN 13300
Average consumption (short text)	approx. 160 - 200 ml/m ²
Average consumption	The consumption varies depending on the application technique and the substrate. It is therefore advisable to determine the exact consumption figure by producing a sample area.
Colour shade	White / Corresponds to RAL 9016 RAL 9010
Suitable tinting paints	Tinting with system-matching tinting pastes via the ALLFAcolor tinting machine, ready-mixed at the factory or with commercially available tinting and full colour paints or tinting concentrates. Please note that the specified properties may be changed in the case of tinted goods.
Storage	Cool, but protected from frost
Thinning	This product is ready for use.

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Substrates

Suitable substrates

- All usual mineral substrates (renders/plasters, concrete, masonry)
- Gypsum wallboards and gypsum plasterboards
- Gypsum plaster
- Hardboards
- Precast building materials
- Adherent existing paint layers
- Wood-chip wallpaper
- Glass fabrics

Substrate conditions

The substrate must be clean, dry, firm and sound. Follow the building regulations (in Germany VOB, Part C, DIN 18363, Section 3). Inside renovation coatings can normally be carried out without a special priming coat. For new coatings, use a suitable primer from the ALLIGATOR product programme in accordance with the relevant technical specifications.

Substrate conditions

Gypsum blocks

Adjust the primer to absorbency. With coatings destined to bridge capillary cracks, reinforce completely using a fleece. In addition the guidelines of BFS-Fact Sheet No. 17 apply.

Gypsum building boards (interior)

Adjust the primer to absorbency. With coatings destined to bridge capillary cracks, reinforce the entire surface using a fleece. In addition the guidelines of BSF Fact Sheet No. 12 apply. Ingredients which might penetrate have to be isolated before following coatings.

Gypsum plaster, gypsum sand plasters etc.

Remove any sintered layers. For first coatings take care of a sufficient penetration of the primer (e. g. by using a penetrating primer). Additionally the guidelines of BFS Fact Sheet No. 10 apply.

Derived timber products (chipboards, OSB-boards etc.) - interior

Have to be covered with a suitable gypsum board or gypsum fibre board as otherwise cracks may occur in the area of butt-joints.

Aerated concrete - interior:

In case of rooms of high humidity, external walls have to be additionally treated by a moisture guard, applied onto their insides. This can be effected applying a two-component coating like e.g. Hydrofox. In addition the guidelines of BFS Fact Sheet No. 11 apply.

Base renders (interior):

Mineral base renders must be thoroughly cured and dry, because otherwise discolouration, in particular with tinted following coats, may occur. As a rule of thumb assume 1 day drying time per mm of layer thickness, but correspondingly longer at low temperatures and high humidity. Excessive temperatures and low relative humidity also lengthen the setting process. Treat replastered locations with fluosilicate. In addition, the guidelines according to BFS Fact Sheet No. 10 apply.

Concrete

Remove forming oil, grease and wax by washing with surfactant. Remove any sintered layers mechanically. Check the absorbency of the concrete by wetting tests. In addition, the guidelines according to BFS Fact Sheet No.1 apply for exterior coatings and the guidelines according to BFS Fact Sheet No. 8 for interior coatings.

Substrate preparations

Note Q2/Q3 levelling / thin layers of gypsum < 0.5 mm

When using gypsum-based, hydraulically setting levelling compounds in quality level Q2/Q3, a transparent, water-based primer is recommended. Please refer to the Maler&Lackierer Merkblatt No. 2 -9/2020 "Haftfestigkeitsstörungen von Beschichtungen auf verspachtelten Gips(karton)platten" des Bundesverbandes Farbe, Gestaltung, Bautenschutz und des Bundesausschusses Farbe und Sachwertschutz. As an alternative to gypsum-based Q3 levelling, levelling with pasty levelling compounds has proven itself.

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Application

Application method	Application by spraying
Spraying data	Suitable airless systems with an output of at least 3 l/min. Airless: Spray pressure in bar: 160 - 190 / spraying angle: 50° / nozzle size in inch: 0.019 - 0.021 / filter: 60 mesh
Coating system	Initial coating Priming coat with Tiefengrund W LEF or Grundweiß LEF. Intermediate coating and finishing coating preferably unthinned Recoatings Priming coat with Tiefengrund W LEF or Grundweiß LEF. Sound and solid existing paint layers, an additional priming coat can be omitted. Intermediate coating and finishing coating preferably unthinned Due to the great varieties of our production range and individual applications, other primers and coating systems are possible. Please refer to our technical service for support.
Application	When painting pay attention to spread the material liberally and evenly in order to achieve a coat thickness which is necessary for the visual appearance and durability.
Application hints	In case of increased load two paint layers might be necessary.
Note	Before processing, the material must be checked for colour accuracy and condition. Complaints regarding deviations from the delivery target can no longer be recognised after processing. Reference is made to the VDPM's 'Leitfaden zu Prüfpflichten bei Anlieferung von Tönware im Rahmen der Untersuchungs- und Rügepflicht (§ 377 HGB)'. On contiguous surfaces, only process material from the same batch or mix material from different batches beforehand. The figures given for parameters are average values. Due to the use of natural raw materials in our products, the actual value determined on the individual supplied product may differ slightly without affecting its suitability. These data refer to the white respectively standard product. Tinting may cause deviations.
Practical hints	Repairs Touching up surfaces may be more or less visible, even with using the original coating material. Traces are unavoidable according to BFS Fact Sheet No. 25. Whether a repair is considered as optically disturbing is depending on many parameters, like colour shade, gloss level, layer thickness, substrate, illumination etc. It is advisable to apply a test coating on inconspicuous places. Colour Accuracy / Metamerism The perception of colour shades is influenced by various parameters, such as light, gloss, angle, structure. Substrates of different degrees of irregularities may have different effects despite having been coated with the same material. Coating materials of the same hue but of different gloss levels also appear to be different. Various materials of the same colour shade that appear to be matching by daylight may show strong deviations in artificial light (metamerism effect). In case of increased requirements on matching colours of different building parts, materials and / or surfaces, the BFS Fact Sheet No. 25, section 4.2.2. can be taken into consideration. Fogging The phenomenon of suddenly occurring black dust deposits on interior surfaces (fogging effect) has not yet been fully elucidated. As a preventive, the Federal Environment Agency (Umweltbundesamt) recommends to only use low-emission, in particular plasticizer-free products. These products are solvent- and plasticizer-free. The absence of fogging cannot be ensured. New mineral Substrates New mineral substrates may only be coated after setting and drying, not earlier than after 14 days, better after 4 weeks. In unfavourable drying conditions, the waiting period can be prolonged. Non-combustibility According to DIN 4102 (in Germany) the construction material class A (non-combustibility) is retained with usual mineral substrates such like renders/plasters, concrete and also gypsum plasterboard with enclosed surface, even if their surfaces are coated with dispersion based paints. For usability certificate as non-combustible system for interiors with ALLFAtexx glass fibres and fleeces refer to the general construction supervision test report.

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Hairline Crack bridging Coatings on Gypsum Plasterboard

In correspondance with the building regulations (in Germany VOB/C DIN 18363, Section 3.2.1.2) hairline crack bridging coatings on gypsum plasterboards and gypsum fibreboards can only be realized by the additional embedding of a fleece.

Sidelight

Unfavourable lighting conditions (sidelight) may occur for instance after the subsequent installation of lights. This fact must be known before works. Specific requirements on evenness and uniformity of the coating have to be previously agreed upon.

Temperature limit	Between + 5° C and + 30° C for substrate and ambient air during processing and drying.
Drying time	At + 20° C for substrate and ambient air and 65% relative humidity (RH), recoatable after approx. 4 - 5 hours. Lower temperature or a higher humidity extend the drying time.
Tool cleaning	Immediately after use with water and soap in compliance with the legal regulations.

Information

Product code	BSW20 (M-DF01)
General information	Keep out of reach from children. Ensure good ventilation during use and drying. Do not eat, drink or smoke while using the painting works. In case of contact with eyes or skin, immediately and thoroughly rinse with water. Do not allow to enter drains, waterways or soil. Clean tools immediately with water and soap. Do not breathe vapour/spray.
Hazard statements and safety advice	May cause an allergic skin reaction. Avoid inhalation of mist or vapour. Do not wear contaminated work clothing outside the workplace. Wear protective gloves. In case of skin irritation or rash: Get medical advice/attention. Remove contaminated clothing and wash before reuse. Dispose of contents/container to a recognised waste disposal facility. Contains: 2-Methyl-2H-isothiazol-3-one, 1,2-benzisothiazol-3(2H)-one. Caution! Spraying may produce hazardous respirable droplets. Do not inhale aerosol or mist. For commercial/industrial applications. Hotline for allergy enquiries: 0800/1895000 (free of charge from a German landline).
Declaration of ingredients	Polyvinyl acetate dispersion, titanium dioxide, calcium carbonate, silicious fillers, water, additives, preservatives (methylisothiazolinone, benzisothiazolinone)
Observe safety data sheets	Further details: See Safety Material Data Sheet (MSDS)
Category VOC	EU limit value for the VOC contents of this product: (Category A/a) 30 g/l (2010).
VOC content (in gram per litre)	< 1
WHC	1 (weakly water-polluting)
Waste disposal	Only completely emptied containers should be given 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.

System specific and system completing products

Grundweiß LEF

Tiefgrund LKF

This data sheet cannot deal with all types of application arising in practice. Therefore, we cannot be held responsible for their content. These instructions do not release the purchaser / applicator from his responsibility of professionally examining the substrate and determining the suitability of the product in consideration of the project characteristics. In case of queries please request the technical assistance of ALLIGATOR FARBERWERKE.