

Magnofill 1859



Ready-for-use dispersion filler for producing magnetic presentation walls



Field of application

Ready-for-use filler for producing magnetic presentation walls for attaching plans, maps and notes, etc. indoors. Can be used on load-bearing substrates, e.g. interior plaster (compressive strength class CS II/CS III/CS IV and B1-B7), concrete, gypsum plasterboard, intact emulsion paints and coated fiber glass fabric, e.g. in offices, seminar rooms, schools, childcare facilities or residential spaces. Especially for use of strong attraction conical neodymium magnets 3474.

Properties

- low emission, solvent- and plasticizer-free
- corresponds to requirements set out by "Ausschuss zur gesundheitlichen Bewertung von Bauprodukten" (AgBB, German Committee for Health-Related Evaluation of Building Products)
- Magnetic-active formulation with iron mica
- Strong magnet attraction already from 2.5 l/m²
- Ready for application
- Long open time
- Water-vapor-permeable
- Can be sanded when dry
- For interior use

Material description

Color shade	Anthracite gray
Base material	Styrene acrylic emulsion with metal oxide powder, fillers and additives
Grain size	Max. 0.15 mm
Max. wet application layer	Up to 2 mm for each step
Density	Approx. 2.6 g/cm ³
Packaging	7 l

Thinning	If required, depending on the substrate absorbency and the situation on site, dilute with water.
Compatibility	Do not mix with other types of materials.
Application	Evenly apply a first coat of Magnofill 1859 with the Notched Trowel 3768 with 4 x 6 x 4 mm toothing and smoothen again. After drying and intermediate sanding, apply a second coat with a stainless steel smoothing tool and subsequently smooth the surfaces. After sufficient drying of the surfaces and before the further coating build-up, sand the area with 120–150 grit size and vacuum.
Embedding a filling nonwoven	Fiber Glass Filler Nonwoven 1560 is used to supports the efficient creation of filled surfaces especially on coarse and textured substrates. This optimizes the filling capacity of the filler and reduces the need for subsequent sanding. In addition, fine hairline cracks in the substrate are bridged. Apply the filler to the full area as described for the first coat. Lay the Fiber Glass Filler Nonwoven 1560 into the still wet filler layer without folds and lightly press it by hand. Overlap subsequent layers by at least 5 cm and apply in a double-cut process. Afterwards, evenly smooth the entire area with a smoothing tool, e.g. Surface Filler Knife 1828, to completely smooth the texture from the notched trowel. After drying and intermediate sanding, the second coat is applied as described under Application. Direct recoating without intermediate drying is not recommended as the nonwoven shifts slightly and a coarser surface arises.
Consumption	Approx. 1.0 l/m ² per mm layer thickness (average value for smoothed, normal porous concrete surfaces, for example). Recommended layer thickness \geq 2.5 mm. For embedding a filling nonwoven: approx. 2.0 l/m ² with 4 x 6 x 4 mm toothing and additionally approx. 0.5 l/m ² for filling pores in the nonwoven surface. Magnet attraction varies depending on the layer thickness. Very good magnet attraction is already achieved with a layer thickness of approx. 2 mm. With layer thicknesses of more than approx. 5 mm, no further increase in the magnet attraction is achieved. Determine the exact consumption by means of a test application on the object to be coated.
Application temperature	Do not apply if the air and object temperature is below +5°C or higher than +30°C during application and drying.
Tool cleaning	Clean tools with water immediately after use.

Drying (+20°C, 65% relative humidity)

Approx. 12 hours. Can usually be coated after drying overnight. Allow longer drying times if the layer is thicker, the temperature is lower and/or the humidity is higher.

Storage

Store in a cool and frost-free place. Reseal opened containers tightly.

Declaration

Product code BSW20
Comply with the specifications in the current safety data sheet.

Coating build-up

Substrate preparation The substrate must be level, solid, dry, clean, load-bearing and free from efflorescence, sintered layers, separating agents, corrosion-promoting components or other intermediate layers affecting adhesion. Check the suitability, load-bearing capacity and adhesive properties of existing coatings. Thoroughly remove defective and unsuitable coatings and dispose of them in accordance with the applicable regulations. Thoroughly wash off distemper. Wash down intact coats of oil paints and varnishes with an alkaline solution, sand well and clean. Remove any wall coverings including paste residue and paper waste. Treat replastered areas with a fluorine primer. Fill larger holes and joints with Briplast Planofill 1875. Apply a prime and/or intermediate coat to the substrate as required. See also VOB Part C, DIN 18363, Section 3.

Substrates	Prime coat	Filling	Prime coat	Filling pores	Intermediate coat	Top coat ^{1) 2)}
Substrates indoors, e.g. normal plasters, concrete, gypsum plasterboard, matt emulsion paint coats, plan stone masonry		Two coats of Magnofill 1859, depending on the substrate and requirement	Lacryl Deep Penetrating Primer 595	with Latex Plastic 904	2K-Aqua EP Primer 2373, 3% diluted	2x 2K-Aqua Whiteboard 2384
					Superlux 3000 ³⁾	2x 2K-PU Finish 3471 ⁴⁾
Smooth, non-absorbent and glossy substrates indoors, e.g. intact, gloss emulsion paint coats, oil and enamel paint coats	Adhesion Primer 3720					Nonwoven, CreaGlas Fabric or other wall coverings in combination with CreaGlas 2K-PU Finish 3471 and suitable creative techniques

¹⁾ For the further coating build-up, read and follow the instructions in the data sheets of the top coat to be used. For the further mounting onto the magnetic presentation walls, we recommend using the strong conical Neodymium Magnets 3474. The occurrence and frequency of markings and traces of use depends on the sensitivity of the surface and the intensity of use as a magnetic presentation surface.

²⁾ When applying smooth coats, depending on the gloss grade and demands on the surface, a light intermediate sanding is to be carried out after the first coat. For creating an even surface appearance, particularly in critically illuminated areas, coats must be rerolled wet on wet to achieve a fine and evenly textured surface.

³⁾ For colored top coats, a matching colored intermediate coat might be necessary.

⁴⁾ Recommended to achieve particularly durable surfaces.

Notes

Frequency of filling	Depending on the quality of the substrate and subsequent top coat, in order to create coatable substrates for high quality wall coverings or creative techniques, etc., a second filling is generally necessary.
Smoothing and closing through filling work	As opposed to traditional plastering, for filling work, it is not possible to even out substrate tolerances of several millimeters. Through filling, pores and recesses in the substrate can be closed and evened out. Flat surfaces cannot be created in this way.
Filling open pores	Any pores that may occur in the filled material after drying are to be filled and smoothed by means of sanding and filling with the same dispersion filler.
Removing adhesive tapes	After finishing the works, especially for glossy dispersion paints and/or greater layer thicknesses, remove adhesive tapes immediately to avoid rough edges.
Personal protective equipment during sanding	During sanding we recommend wearing personal protective equipment (suitable safety goggles and a face mask).
Further information	Follow the instructions on the data sheets of the products used.

Remark

This data sheet is based on extensive development work and years of practical experience. The translation corresponds to the current German version, in compliance with the German laws, regulations, standards and guidelines. Its content does not constitute a contractual legal relationship. The user/buyer is not released from the responsibility of checking our products to ensure they are suitable for the intended application. In addition, our general terms of business apply.

When a new version of this data sheet with updated information is published, the previous version no longer applies. The current version is available on our website.

Brillux
Weseler Straße 401
48163 Münster
GERMANY
Phone +49 251 7188-0
Fax +49 251 7188-105
info@brillux.de
www.brillux.com