Briplast Spray Filler ELF 1881

Briplast Spritzspachtel ELF 1881

Ready-to-use, white, suitable for application with worm conveyors and Airless units, up to 6 mm layer thickness, AgBB-certified, for interior use

Properties

White, easy-to-feed spray filler material on the basis of finely ground, high-grade marble, ready for application. Adhesive, fills well with high degrees of stability and long application time. Low-emission material, no solvents and plasticizers, matt, inhibits corrosion, diffusible and suitable for sanding following curing. Easy and efficiently applied using commercially available worm conveyors and powerful Airless units. Tested according to requirements of AgBB evaluation schemes.

Field of application

To achieve smooth substrates suitable for application of coatings and wallpaper as well as special speckled effects on interior ceiling and wall surfaces. Especially for efficient filling of plan stone masonry. Also suitable for smoothing interior plaster surfaces. Can be applied to load-bearing substrates, such as interior plaster (compressive strength category CS II/CS III/CS IV and B1-B7), concrete, aerated concrete, gypsum plasterboard, intact emulsion coatings.

Material description

Color shade: White
Base material: high-grade, white marble powder
Grain size:
Max. 0.2 mm
Max. wet application layer:
Up to 6 mm per working step
Reaction to fire as per EN 13501-1: A2 - s1, d0
Density: Approx. 1.8 g/cm³
Packaging: 15 l sack

Use

Dilution

Generally not required.

Compatibility

Do not mix with other types of materials.

Application

Briplast Spray Filler ELF 1881 is specially formulated for efficient application with typical worm conveyors or similar filler pumps. In addition, a powerful compressor with an air capacity of at least 500 l/min is required, or at least 800 – 1,000 l/min for large surfaces.

Alternatively Briplast ELF 1881 spray filler can also be applied using powerful Airless units (piston technology). For this purpose, remove all filters from the Airless unit and gun.
Nozzle size, depending on the Airless unit's output, from 0.035" to 0.052" with a spray angle of 20°.

Apply Briplast Spray Filler ELF 1881 as evenly as possible first to the ceiling, then the walls, and subsequently smooth it. For very large or high rooms, spray the ceiling and the upper part of the walls up to a height that can be comfortably reached from the floor and then smooth it. Then apply it to the lower wall surfaces. In principle, no more material should be sprayed on that is required to create a smooth surface.
Depending on the temperature, the smoothing can begin immediately or after a short waiting period (heed note). Smooth with light pressure in the direction of the joints or the main light direction. Filler burs can be avoided by pressing the steel spatula toward the unsmoothed surface with somewhat more force.

On wall surfaces, first smooth roughly 1/3 from the bottom up, then smooth the remaining 2/3 from the top down. After a brief drying period, brush the corners smooth with a damp radiator brush. Excess material can be reused, e.g. for preliminary spot filling, if it is not contaminated.
On smooth substrates, a surface suitable for wallpapering or for a spray texture can generally be achieved in a single working step.
On rough substrates, in event of especially high quality requirements (e.g. for application of high-quality wall coverings or creative techniques) or if a surface suitable for painting by brush is desired, at least two working steps are required.

Embedding filling nonwoven
Using Fiberglass Filling Nonwoven 1560 can facilitate efficient filling, especially on rough and textured surfaces. This optimizes the filling capacity of the filling compound and reduces the amount of sanding work required afterward. It also bridges over hairline cracks in the substrate. Apply the filler material as described to the entire surface of the substrate and “comb through” evenly with Notched Trowel 3768, notching 4x6x4 mm. Lay the Fiberglass Filling Nonwoven 1560 into the filler layer while still wet without folds and press on lightly with your hand. Apply subsequent sheets with an overlap of at least 5 cm and use a double-cut procedure.

Then evenly smooth the entire surface with a smoothing tool, such as a surface filler knife, so that the notched trowel texture is completely smoothed away. After drying, seal the pores in the surfaces with a second layer of filler material.
Subsequent surface work without allowing time drying is not recommended since this causes the fabric to shift slightly, resulting in a rougher surface.

Speckled effect
The speckled texture can be varied from fine to coarse by adjusting the material supply, nozzle size, air flow and air pressure. With airless devices, a corresponding speckled texture set (art. no.: 3293.0012.000) and a high-performance compressor (500 - 1,000 l air flow) are also required. Move the spray gun across the surface in even, circular motions.
Splashes on adjacent surfaces can be chipped off with a steel spatula, wiped smooth or washed off. Ceiling areas require no top coat, but they can be coated with interior emulsion paints after appropriate priming. For speckled surfaces that will not be coated with paint, we recommend using material with a single production number.

Consumption
Approx. 1.0 l/m² per mm of layer thickness
(Average values for smoothly formed, normally porous concrete surfaces).

For embedding filling nonwoven:
Approx. 2.0 l/m² with notched filler knife
4x6x4 mm and additional approx.
0.5 l/m² for sealing the pores in the nonwoven surface.
To create speckled effect: Approx. 0.90 – 1.3 l/m².
Determine the exact consumption by means of a test application on the object to be coated.

Application temperature
Do not apply if air or object temperature is below +5°C.

Tool cleaning
Clean tools immediately after use with water.

Drying (+20 °C, 65 % relative humidity)

Approx. 3 hours per mm of layer thickness. Thin layers are generally ready for sanding and working on after drying overnight.
For thicker layers, lower temperatures and/or higher humidity, allow a longer drying time.

Storage

Store in a cool and frost-free location. Do not throw, do not subject to high pressure, keep away from sharp and pointed objects.

Declaration

Water pollution classification
WGK 1, according to VwVwS.

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, sinter layers, separating agents, corrosion promoting components or other compounds affecting intermediate layers. Check existing coatings for their suitability, load-bearing and adhesive properties. Remove defective and unsuitable coatings thoroughly, and dispose of them in accordance with the applicable regulations. Thoroughly wash off limepaint. Wash down intact coats of oil paints and varnishes with an alkaline solution, sand down well and clean. Remove all wall coatings, incl. paste and wall-glue residue. Treat replastered areas properly with fluorine primer. Fill large holes and joints with Joint and Wall Filler 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	Top coat
interior substrates, e.g. plan stone masonry, normal plasters, concrete, gypsum plasterboard, matt emulsion coatings		Briplast Spray Filler ELF 1881 in 1-2 work steps, depending on substrate and requirements	Lacryl Deep Penetrating Primer ELF 595	depending on selection with emulsion paints, plastic materials, CreaGlas Fabric and other wall coverings
smooth, non-absorbent and glossy interior substrates, e.g. intact, glossy emulsion coatings, oil and enamel paint coats	Adhesion Primer ELF 3720			

Notes

Spray application
Ideally, the spraying of filler should be performed before the screed work.

Smoothing and sealing with filler
In contrast to the application of classic plaster, it is not possible to level out substrate unevenness of several millimeters when applying filler. Applying filler allows pores and indentations in the substrate to be sealed and leveled out. It is not possible to create perfectly flat surfaces in this way.

Filling of plan stone masonry
The plan stone masonry to which the filler will be applied must have been built in accordance with the manufacturers specifications.
When filling plan stone elements, hairline cracks can occur in the area of joints due to drying-related shrinkage of the precision block elements. If the surface treatment consists purely of paint, such as emulsion paints, these cracks may be visible.

Avoiding bubble formation
On dense, minimally absorbent substrates, fine bubbles can form in the filler layer after smoothing. These can generally be removed by smoothing the layer again after allowing sufficient flash-off time. This duration of the flash-off time depends on the layer thickness, temperature and humidity. If bubbles reform, resmooth the surface. Bubble formation can generally be prevented in advance by first applying a thin layer of speckling that sufficiently covers the substrate in an earlier work step. Sufficient time must be allowed for this first application to dry. Alternatively, the surfaces can also be pretreated with Adhesion Primer ELF 3720. Determine the suitable procedure for the specific site by creating test areas.

Sanding protective equipment
During sanding we recommend you wear personal protective equipment (suitable protective goggles and face mask).

Further information
Follow the instructions on the data sheets of the products used.

CE marking

CE

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EN 15824:2009

Plaster with organic bonding agents
On walls, ceilings, columns, and dividers
For indoor application

Adhesive tensile strength	≥ 0,3 MPa
Reaction to fire	A2-s1, d0

Remark

This Data Sheet has been prepared taking into account the current applicable German laws, standards, specifications and codes of practice. All details have been translated from the current German version. The contents do not form a legal contract. The user and/or the purchaser is not released from the responsibility of checking that our products are suitable for the proposed use. In addition our Terms of Conditions and Payment apply.

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