

Briplast Durafill 1539



Synthetic resin modified cement filler material, fine-grained, white, for interior and exterior use

Field of application

For safe and versatile filling of facade surfaces as well as indoor floors, ceilings and walls made of render, concrete, load-bearing old coats, etc. In interior areas, particularly suitable for high-use surfaces and in damp rooms. For filling, smoothing, and full-surface leveling of uneven surfaces, as well as fixing minor flaws, filling pores and cavities, leveling lap-marks, etc. Also suitable for filling, smoothing and leveling load-bearing old coats without a prime coat. Furthermore, also for filling and as an adhesion promoter on ceramic wall coverings in interior areas (observe note). In Brillux concrete protection system, suitable for partial and full-surface filling of repaired concrete surfaces.

Properties

- Weather-resistant
- Synthetic resin-modified
- On white cement basis in powder form
- Very fine-grained
- Can be smoothed back to zero
- Good filling power
- Very stable
- Water-vapor-permeable
- With excellent adhesion on almost all substrates
- Dries through hydration
- Suitable for underfloor heating
- Suitable for chair caster stresses according to DIN EN 12 529 from a layer thickness of 0.5 mm
- Can easily be applied and smoothed by hand
- Can be used without a prime coat
- For indoors and outdoors

Material description

Color shade	White
Base material	White cement base with special plastics
Max. wet application layer	Up to approx. 20 mm per coat
Bulk density	Approx. 0.8–1.2 g/cm ³
Packaging	4 kg, 20 kg sack

Use

Mixing ratio	Add 2.2 parts by weight of Briplast Durafill 1539 to 1 part by weight of water. Ensure thorough mixing to avoid any lumps.
Added water	Approx. 1.8 liters of water per 4 kg sack or approx. 9.0 liters of water per 20 kg sack.
Mixing	Add cold water to a clean mixing container, then add Briplast Durafill 1539 in the specified mixing ratio while constantly stirring and mix to a paste-like, homogeneous and lump-free mass. For mixing, we recommend using a powerful agitator (min. 900 watts) with approx. 600–1,000 rpm and a right-hand spiral stirring rod (plaster stirring rod). Only mix as much material as can be applied within the open time.
Compatibility	Do not mix with other types of materials.
Application	Consider dampening the substrate before application. Apply and smooth the mixed Briplast Durafill 1539 with a stainless-steel smoothing trowel. The filler can be smoothed back to zero and also applied up to 2 cm in one work step. After curing, reworking, e.g. smoothing, is possible. Once it has fully dried, finishing, e.g. sanding, is only possible to a very limited extent.
Pot life (at +18°C)	The mixed filler material can be used for approx. 45 minutes. Do not stir, dilute or apply material that is curing.
Consumption	Approx. 1.0 kg/m ² for 1 mm layer thickness depending on the roughness of the substrate. 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 +7°C. High temperatures reduce the application time.
Tool cleaning	Clean tools with water immediately after use.

Drying (+20°C, 65% relative humidity)

Drying depends on the layer thickness. Thinner layers (up to approx. 1 mm) can generally be recoated after drying overnight. Allow longer drying times if the layers are thicker, the temperature is lower and/or the humidity is higher.

Storage

Store in a cool, dry location, protected against dampness. Seal the opened container immediately and use the contents as soon as possible. The unopened container can be stored for 1 year.

Declaration

Product code ZP1

Comply with the specifications in the current safety data sheet.

Coating build-up

Substrate preparation

The substrate must be solid, dry, clean, load-bearing, dimensionally stable, free from efflorescence, sinter layers, separating agents, corrosion-promoting components or other intermediate layers affecting the adhesion. Floors in interior areas must remain permanently dry. In the case of rooms without basements, the floor surfaces must be sealed against rising damp in accordance with standards. Check the suitability, load-bearing capacity and adhesive properties of existing coatings. Completely remove defective and unsuitable coatings (e.g. elastic or paint-like coatings) and dispose of them in accordance with the applicable regulations. Thoroughly rinse off reversible, water-sensitive coats (e.g. distemper) Sand down and clean smooth, dense substrates. Clean surfaces infested with fungi and algae thoroughly and then treat them with Universal Disinfectant 542*. (* Use biocide products with care.) Always read the label and product information before use.) Repair damaged concrete using materials from the Brillux concrete protection system. Do not prime absorbent and non-absorbent facade surfaces, only pre-wet highly absorbent surfaces. Do not prime interior wall and floor surfaces prior to filling. Before filling wall tiles, completely remove silicones and cleaning agent deposits. Create test areas as needed. Observe VOB Part C, DIN 18363, Paragraph 3.

Partial and full-surface filling, indoors and outdoors

Substrates	Filling	Prime coat ¹⁾	Top coat
Intact, load-bearing substrates, e.g. exterior and interior plaster (MG PII, PIII), matt coatings, ceramic coverings (wall tiles, interior), etc.	Surface filling with Briplast Durafill F 1539	Lacryl Deep Penetrating Primer 595 ²⁾	Depending on selection with e.g. interior emulsion paints
		Render Primer 3710 ²⁾	Depending on selection, with organically bound renders
Lacryl Deep Penetrating Primer 595		2x Evocryl 200	
Deep Penetrating Primer 545		2x Multi-Protect 800	
Intact and repaired concrete surfaces		Lacryl Deep Penetrating Primer 595	2x Concrete Finish 839

¹⁾ When filling small areas, the prime coat of the respective substrate is to be coordinated to the selected top coat. Follow the instructions in the respective data sheet.

²⁾ If necessary, before priming and further system build-up, apply additional filler indoors with Briplast fillers, e.g. Briplast Silafill 1886 or in damp rooms with Briplast Teriofill 1883.

Notes

Cover surfaces	Cover surrounding surfaces such as plastics, glass, metal and wood as well as plants.
Do not use mineral paints and do not fluate	Do not fluate surfaces filled with Briplast Durafill 1539 and do not paint with mineral paints.
Spot filling	When filling patches, observe the different absorbency and possibly alkalinity of the substrate for subsequent coatings.
Ceramic wall coverings, interior	For filling and as an adhesion promoter on ceramic wall coverings (e.g. wall tiles) in interior areas, apply Briplast Durafill 1539 in sufficient layer thickness, > 1 mm. Do not apply to surfaces exposed to direct splash water and persistent moisture (e.g. shower areas). Before further treatment in damp areas (domestic bathrooms, etc.), re-fill the filled surfaces with Briplast Teriofill 1883. Not for use on floor tiles.
Protection of the coat	Protect coats both from the effects of moisture, e.g. rain, but also too rapid water removal, e.g. due to strong wind, sunlight. Do not apply on heated substrates. Cover with protective tarpaulins, if 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.
Further information	Follow the instructions in 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.

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