

Brefill® Series

High performance, cementitious base and finish skimcoats

Construction

Product Description

Brefill® is a range of cement based filling and levelling plasters for concrete surfaces. Brefill® consists of finely crushed white marble and high grade sand of consistent quality and composition, modified with alkali-resistant additives.

Uses

Brefill® is a fast and economical way to level uneven substrates such as concrete, aerated concrete, hollow block walls, light-weight blocks, etc.

Characteristics / Advantages

Brefill® (depending on grade) will provide a very fine surface finish on walls, ceilings, etc. Compared to conventional plasters, Brefill® gives you better value-for-money. It has greater durability and flexibility and more importantly, it saves:

- Times – quick drying and easy to apply. It increases productivity.
- Money – costs less than conventional plasters and the thickness of the plaster can be varied to minimise wastage and to cut down cost.

Other advantages are:

- Non-combustible
- Non-cracking when applied at correct thickness and properly cured
- Easy to mix – just add water
- Good adhesion
- Can be applied by spraying

Product Data

Form

Appearance Powder

Grades

- Brefill® Mortar White / Brefill® Mortar Grey (BMW / BMG)
- Brefill® Fine White / Brefill® Fine Grey (BFW / BFG)
- Brefill® Coarse Grey (BCG)

	BMW	BMG	BFW	BFG	BCG
Internal Use	++	++	++	++	++
External Use	+	+	x	x	++ (1)
Surface / Saturate Substrate	++	++	++	++	++
Dry Substrate	x	x	x	x	x
Gypsum Substrate	x	x	x	x	x
Base Coat	++	++	+(2)	+(2)	++
Final Coat	+(2)	+(2)	++	++	+(2)
Packaging (kg per bag)	25	25	25	25	25
Water Consumption per bag (litres)	8.25	8.25	12	12	4.6
Thickness (mm)	2 – 3	2 - 3	0.7 – 2	0.7 – 2	3 – 10

++ Recommended

+ Acceptable

(1) Must be overpainted

x Not recommended (2) Depending on the flatness of the surface and level of finish required



Storage

Storage Conditions / Shelf Life 6 months from the date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions. Protect from direct sunlight.

System Information

Application Details

Substrate Quality The substrate must be sound, clean, dry and free of all contaminants e.g. dirt, oils, grease, coatings, surface treatments, etc. If in doubt, apply a test area first.

Substrate Preparation Dry concrete, render or Brefill® surfaces must be prewetted before application.

Application Instructions

Mixing Brefill® must be mixed with clean water at the site using a power drill whisk. Pour the required water into a suitable container then add Brefill® while stirring continuously until a smooth consistency is achieved. Allow mixture to stand for a few minutes. Mix again and the plaster is ready for use.

Application Method / Tools Brefill® is applied either by hand with a steel trowel or spatula. Brefill® Fine may be spray applied with a suitable spraying unit. The coat is then levelled off to a smooth surface with a steel trowel.
Ensure that the applied coat is dry before application of subsequent coats.

Cleaning of Tools Clean all tools and application equipment with water immediately after use. Hardened and/or cured material can only be removed mechanically.

Pot Life (at 25°C) ~ 3 hours

Notes on Application / Limitations

- Do not use Brefill® on painted or gypsum surfaces
- Applications of Brefill® products which are too thin can result in a chalky or dusty finish unsuitable for painting or subsequent applications
- Applications of Brefill® on very porous or dry substrates can result in a chalky or dusty finish unsuitable for painting or subsequent applications
- Where BFW / BFG is applied on to prewetted BMW / BMG the minimum application thickness may be reduced to 0.3 mm

Value Base All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Health and Safety Information For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet (available upon request) containing physical, ecological, toxicological and other safety-related data.

Legal Notes The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.



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