
Technical Datasheet PolyFill BCM-p

Excellent functional silica filler adequate for a polymer mortar for plinth system based on binders like, epoxy and polyurethane.

Product description:

BCM-p is a specially formulated mixture of silica sands and additives. It achieves high strength mortars for plinth and thin layers (from 0.3mm) when mixed with polymers. Bags are proportionally filled to give every bag the same consistence and content of mortar. It has a very light colour.

Product features / benefits:

- **Good technical strengths**
 - **Easy hand trowelling**
 - **Smooth top surface**
 - **Liquid-proof mortar**
 - **Light colour**
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Applications:

BCM-p can be used as a filler for different polymers like epoxy and polyurethane.

The BCM-p is basically formulated as a filler with biggest grain size till 0,5mm specially to use as a plinth mortar. Adding other standard granulations like 1,0-2,2mm, 2,0-3,0mm or 2,0-4,0mm to the product gives a high strength trowelling mortar systems for various industrial environments, like garages, workplaces and places that have intensive waterloads.

For example,

- Round or cornered horizontal and vertical plinth systems.
 - Repair mortar
 - Suitable for use with Epoxy and Polyurethane binders.
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PolyFill BCM-p

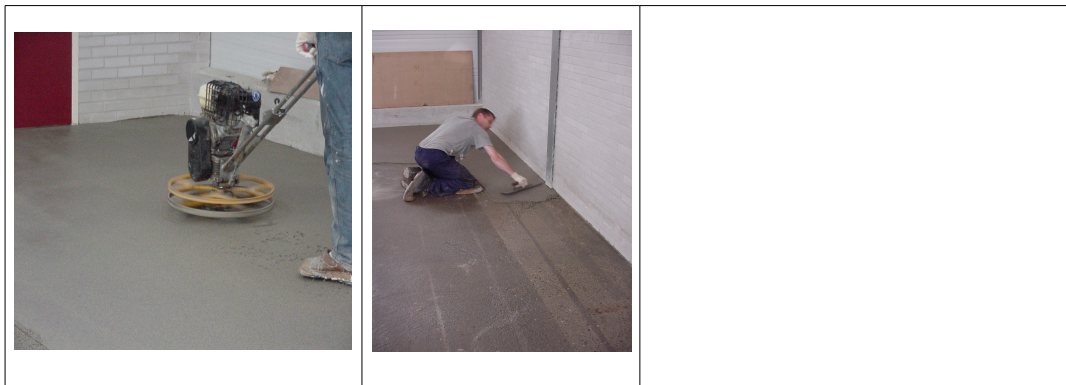
Product properties:

- BCM-p does not stick to the trowel because of specially used raw materials and additives.
- BCM-p does not put up resistance during burnishing and has minimal tendency to develop unaesthetic top surface
- With bigger thickness of the layer, also binder has minimum tendency to float
- Achieves a very smooth top surface.
- Easily achieves technical strength from 45-60 N/mm² (depending on binder and adding bigger granulations of the sand)
- Liquid-proof, depending on application temperature, type and amount of binder. The amounts mentioned in table below are minimum to achieve liquid proof systems. Higher binder percentages can also be used.
- When BCM-p is mixed with bigger granulates like 1,6-2,2mm or 1,6-3,15 mm it has excellent vertical standing properties.

Product data:

Name:	-PolyFill BCM-p
HS code:	-25.05.10
EINECS-nr.:	-238-878-4
CAS-nr.:	-14808-60-7
Colours:	- Natural light grey colour, excellent white coloured version and other colors available on request
Non dust:	- Also available in non dust version on request
Packing:	-25 kg Polyethylen PE ventile or Paper bag on one way pallet wrapped with stretch foil
Storage conditions:	- Storage in the original sealed bags in dry place. Long-term exposure to sunlight will damage the packing

Pictures:



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Technical data:

Technical specifications:	
Hardness (Mohs)	7
Chemical content of this mixture, this analysis is a guidance / direction for the silica content, to show that are excellent silica ingredients used.	SiO ₂ : >98%
Moisture	< 0,1 %
Bulk density	1,7 kg/dm ³
Density	2,65 g/cm ³ (DIN ISO 787/10A)
Maximum deviation of the sieving curve	5.00%
Picture of natural product	

Mixing Ratios for optimal application properties, technical and mechanical strengths. Test these guidelines with your binder before use.

Layer thickness	Ratios		Theoretical density (mixed mortar)
> 2 mm	25 kg BCM-p 5kg Epoxy 500-1000 mpas	More liquid, able to be hand troweled	2,01kg/dm ³
3-10 mm	50 kg BCM-p 50 kg Q1,0-2,0 mm 15 kg Epoxy 500-1000 mpas	Machine trowelling and spreading by screed box	2,2kg/dm ³
5-30 mm	25 kg BCM-p 25 kg Q1,6-3,15 mm 5 kg Epoxy 500-1000 mpas	Machine trowelling and spreading by screed box	2,2kg/dm ³
15-50 mm	50 kg BCM-p 25 kg Q 1,6-3,15 mm 25 kg Q 2,0-4,0 mm 10 kg Epoxy 500-1000 mpas	Machine trowelling and spreading by screed box	2,2kg/dm ³



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LIABILITY:

All information, guidelines and prices are based on the current, actual state. Changes can be made without prior notice. Since environmental factors are constantly changing, we cannot accept any liability in these cases. Before application you should establish whether or not our products are suitable for desired application and will meet expected requirements. Due to the natural source of the raw materials, slight differences may appear in the colours. These differences may also appear between batches and sample materials .

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