Ceresit

CC 92

Powder Sealant

Powder sealant for producing waterproof mortar and concrete

CHARACTERISTICS

- ▶ water-repellent pore sealing
- ▶ easy workability
- ▶ waterproof

SCOPE OF USE

CC 92 is a powder sealant for waterproofing buildings and structures. It is used indoors for subsequently producing waterproof plaster coats on damp brickwork. CC 92 is suitable for plastering, floor screeding, bricklaying and concrete works. It is used for producing water-retarding and water-repellent plasters according to DIN 18 550 which are able to resist heavy pelting rain according to DIN 4108, part 3, load groups 2 and 3.
CC 92 is also suitable for mortars with hydraulically setting binders. It can be used for producing exterior renders resistant to pelting rain and for waterproof screeds. Also for producing waterproof concrete.

APPLICATION

Mix CC 92 with cement at a ratio of 1 : 50 parts by weight. Use this mixture to prepare the concrete or mortar, using a clean, mixed-grained aggregate as specified by DIN 4226 (with a continuous and optimized grading curve).

Masonry mortar and plaster

Use CC 92 to produce a lime-and-cement or a cement mortar and apply the mortar according to DIN 1053.

Screed mortar (DIN 18 550)

Mix 1 part by volume of standard specification cement (DIN 18 550), 3 parts by volume of clean, sharp- and mixed-grained sand and CC 92. Compact the screed thoroughly until the surface has a wet shine, skim if off to provide a smooth, level surface and finish it with a power trowel or a smoothing trowel.

Concrete

Concrete strength class at least C 25/30 (B 25).

Use aggregate with a grading curve and a minimum cement content as specified by DIN 1045 / DIN EN 206-1.
Adjust the consistency of the concrete for vibrator compaction. Apply the concrete or mortar using the industry-recognized technique and smooth it over. If the surface is later to be covered with a thin plaster or bedding mortar, comb the surface up with a stiff broom. Before applying the thin plaster or bedding mortar, apply an adhesive slurry that has been prepared with the addition of CC 81 Enhancer Additive.
Protect the fresh mortar against too rapid drying and keep moist if necessary.

PLEASE NOTE

Use CC 92 only at temperatures of +5 °C to +30 °C. Overdosing of CC 92 may cause a reduction in strength.

Cement and lime set off an alkaline reaction with water. Therefore protect skin and eyes. If contact occurs, rinse thoroughly with plenty of water. In case of contact with the eyes obtain medical advice.
For further information please refer in particular to DIN 1045, DIN 18 550 and DIN 18 560. For safety advice and disposal instructions refer to the Safety Data Sheet.

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EN 934 – Part 2:2009 Table 9

Concrete admixtures – Water resisting admixtures Admixtures for concrete, mortar and grout

Conventional dry material content	**97 % ± 1 %**
Total chloride	≤ **0.1% by mass**
Water soluble chloride	≤ **0.1% by mass**
Alkali content	≤ **0.1% by mass**
Corrosion behaviour	**Contains components only from DIN EN 934-1:2008, Annex A.1**
Capilare absorbtion	**pass**
Compressive strenght	**pass**
Air content in fresh concrete	**pass**
Dangerous substances	**none**

All tests shall be preformend either at equal consistence or equal w/c ratio

TECHNICAL DATA

Material base:	Soap mixture of vegetable and animal origin with mineral fillers GISCODE BZM 2
Powder density:	0.95 kg/dm³
Mixing ratio:	1/2 kg of CC 92 to 25 kg of cement
Recommended dosing range to comply with DIN EN 934-2:	1 to 3 % of the binder weight
Permissible dosage to comply with DIN EN 934-2:	2 % of the binder weight
Water absorption coefficient:	$w_{24} \leq 0.5$ kg/m² x √ t
Required amount:	
– Plaster	100 g/m² per cm layer thickness
– Screed	100 g/m² per cm layer thickness
– Concrete	7 to 8 kg/m³
Shelf life:	Approx. 24 months if stored in a cool and dry place. Use up opened bags as soon as possible.

Should you need support or advice, please consult our advisory service for architects and craftsmen.
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Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards of the German Standards Institute (DIN). The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23 °C and 50 % relative air humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part.
This technical data sheet supersedes all previous editions relevant to this product.

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