

SILRES® BS POWDER A

MASONRY WATER REPELLENTS

Product description

SILRES® BS POWDER A is a highly efficient silicone water-repellent additive in powder form.

Application

SILRES® BS POWDER A is a high-quality specialty product for enhancing the water repellency and water resistance of cementitious construction material mixes, e.g. premixed plasters, joint mortars and powder paints (for gypsum-based formulations SILRES® BS Powder G is recommended). Properly formulated products exhibit:

- low water absorption coefficients
- excellent droplet effect
- low soiling tendency
- durability

SILRES® BS POWDER A can be used in both dry powder and liquid systems. Therefore, it can also be used for manufacturing earth-moist or slurry-based products, like fibre cement or calcium silicate boards, non load-bearing concrete products as well as aerated concrete parts.

Processing

To produce non load-bearing precast concrete products or mineral construction material mixes such as premixed plasters, joint mortars or powder paints

mix SILRES® BS POWDER A with the other dry materials using suitable equipment.

Very good water repellency and durability can be achieved with 0.1 - 0.5% based on the dry weight.

After sufficient water has been added, the earth-moist or liquid material can be mixed by hand or machine. Since mixing by hand only generates low shear forces, it is best to allow the mixture to mature by leaving it to stand for five minutes, and then to stir it again.

Storage

Blends of SILRES® BS POWDER A with hydraulic binders, fillers and pigments have better storage stability because these substances prevent caking. However, blends of this type still have to be protected against humidity.

Additional information

For details on storage please refer to the appropriate section in the material safety datasheet.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

Product data

Typical general characteristics	Inspection Method	Value
Appearance		white powder
Active substance		approx. 50 %
Bulk density		approx. 500 kg/m³

These figures are only intended as a guide and should not be used in preparing specifications.

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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