

SILRES® Powder D

MASONRY WATER REPELLENTS

Product description

SILRES® Powder D is a water-redispersible silicone water-repellent in powder form and used as a highly efficient additive.

SILRES® Powder D acts as outstanding water repellent even at very low concentrations without affecting the water vapour permeability.

SILRES® Powder D contains a fine mineral filler as antiblocking agent.

Special features

- redispersible technology i.e. excellent mixability with water
- based on highly efficient silicones
- solventless

Application

SILRES® Powder D is a high-quality specialty product for enhancing the water repellency and water resistance of non load-bearing precast concrete products or mineral construction material mixes, e.g. premixed plasters, joint mortars and powder paints.

Properly formulated products exhibit:

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

SILRES® Powder D can be used in both dry powder and liquid systems.

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® Powder D 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, mortars 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 5 minutes, and then to stir it again.

Storage

SILRES® Powder D should be stored in a cool place and protected against moisture.

Storage time should not exceed 6 months from receipt of delivery.

If the product is stored under pressure, in damaged or fairly long opened packaging, the powder can tend to caking.

Blends of SILRES® Powder D 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.

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		light beige powder
Bulk density		220 - 340 kg/m ³
Residual humidity		approx. < 3 wt. %
Stabilizing system		Polyvinylalcohol

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

The data presented in this leaflet 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 leaflet 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 recommendations do 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 products 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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For technical, quality, or product safety questions, please contact:

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