

SILRES[®] POWDER E



Silane Powders

SILRES[®] POWDER E is a water-repellent in powder form based on Silane-technology and used as a highly efficient additive. SILRES[®] POWDER E acts as outstanding water-repellent even at very low concentrations without affecting the water vapour permeability.

Properties

- Redispersible technology i.e. excellent mixability with water
- Based on highly efficient Silanes
- Produced without the use of organic solvents

Technical data

General Characteristics

Property	Condition	Value	Method
Appearance	-	white to light beige powder	Visual
Bulk density	-	250 - 450 kg/m ³	DIN EN ISO 60
Protective colloid / emulsifier system	-	polyvinyl alcohol	-
Solids content	-	> 96.5 %	DIN EN ISO 3251

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

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Applications

- Powder Paints
- Silicone Powder Additives for Coatings

Application details

SILRES® POWDER E 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 E 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 E with the other dry materials using suitable equipment. Very good water repellency and durability may be achieved with 0.1-0.3% 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.

Additional information

If the product is used in applications other than those mentioned, the choice, processing and use of it is the sole responsibility of the purchaser. All legal and other regulations must be complied with.

Slight color variations of the polymer granulate may occur without impairing the product's functionality.

Packaging and storage

Storage

Further information for storage:

Store in a dry and cool place. The "Best use before end" date of each batch is shown on the product label. Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

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

Blends of SILRES® POWDER E 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>.

QR Code SILRES® POWDER E



For technical, quality or product safety questions, please contact:

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