

## Technical Datasheet Specialty Additive

### Description

**ELOTEX® SEAL90** is a highly efficient hydrophobizing and water repellent additive in powder form (white colour) for cementitious mortars. It improves the water resistance and durability of cementitious based products. ELOTEX® SEAL90 is especially recommended where water repellency and bulk hydrophobizing properties are expected.

ELOTEX® SEAL90 functions chemically, protecting both surface and bulk of cementitious based building mortars and products against water penetration.

**ELOTEX® SEAL90** has been developed especially for cementitious renders. ELOTEX® SEAL90 is easy to mix during production of cementitious based dry mix products. It has a linear dosage, with which the desired level of water resistance can be easily adjusted. By mixing with water it does not delay drymix wetting and does not show any foaming or retardation. There is also no negative effect on surface hardness, adhesion strength and compressive strength.

The workability is excellent and fully neutral at high dosage rates.

**ELOTEX® SEAL90** is fully efficient in alkaline medium, typically a pH of 11 -12.

### Technical Specifications

<b>Composition</b>	Silane-based additive
<b>Appearance</b>	Free-flowing white powder
<b>Odour</b>	none
<b>Active Material</b>	Alkyloxysilane
<b>Bulk Density</b>	650 – 850 g/l
<b>Residual Moisture</b>	< 2.0%
<b>pH-Value</b>	9.0 – 11.0 (as 10% dispersion in water)
<b>Storage Stability</b>	12 months



## ELOTEX® SEAL90

### Benefits

- Water repellent and bulk hydrophobizing additive for cementitious mortars
- Significant reduction in water uptake
- Increased durability of cementitious building materials
- Linear dosage efficiency
- Excellent wetting and mixing properties
- Excellent workability
- Excellent fresh mortar consistency
- Maintain product performance over time
- Long term storage stability
- Free flowing and non-dusting powder
- Compatible with other additives

### Recommended Applications

Special additive for cement-based mortars

- One coat renders
- Basement renders
- Coloured renders
- Texture coats
- Skim coats
- Brick layer mortars

Basically wherever a high degree of hydrophobicity and improved workability is required with cement-based mortar systems.

## Guidelines for use

### Powder Processing

ELOTEX® SEAL90 can be mixed with other dry additives in all standard compulsory type mixers to produce cement-based finished products in powder form.

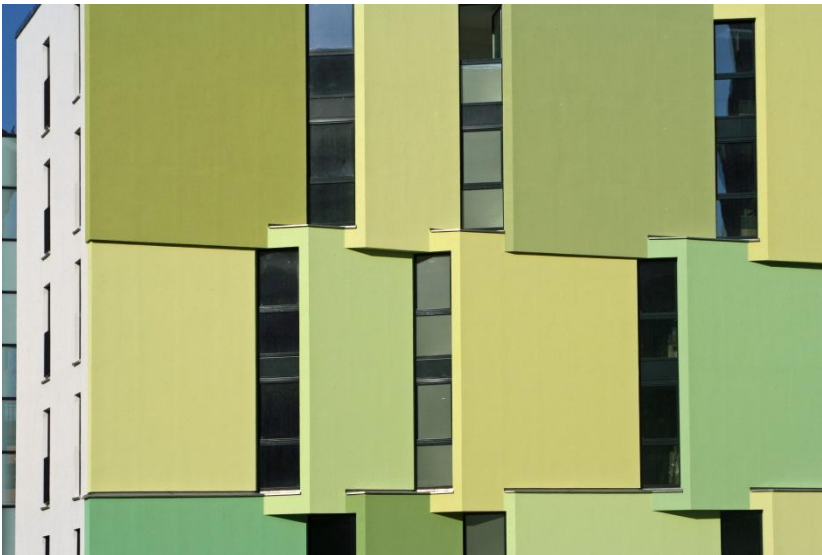
Major temperature increases due to high shear forces should be avoided. All hydraulically and non-hydraulically curing dry mixtures with ELOTEX® SEAL90 may be easily mixed with water before application. For mixing finished products in powder form, one usually places the required amount of mixing water in a suitable vessel and add the powder mixture under agitation. Too intensive agitation of the mixture may result in unwanted air inclusion. Before application, one should allow the mixture to stand for a short time. Depending on the properties of the other additives, the standing time will be in the range of approx. 1-5 minutes.

### Dosage and Mixing

The amount of ELOTEX® SEAL90 to be used is between 0.2 and 1.0% (dry) depending on the ultimate requirements on the product. As short a mixing time as possible is recommendable.

### Compatibility

ELOTEX® SEAL90 is compatible with all standard mortar additives such as redispersible polymer powders, accelerators, retarders, cellulose ethers etc.



### Quality, Safety and Environment

We recommend all individuals using ELOTEX® powder, or coming in contact with it, to observe the separate Safety Data Sheets. Our safety specialists will be pleased to advise you regarding safety, health and environmental issues of our products. Akzo Nobel Chemicals AG has been certified according to DIN EN ISO9001 and DIN EN ISO 14001.

### Packaging, Storage and Handling

Standard packaging: 25kg paper sacks with polyethylene liners.

Other types of packaging such as Big Bags are possible on request.

As a basic rule it is recommended to store ELOTEX® polymer powder in a dry location at temperatures below 25°C and to process within six months. Sacks that are stored under pressure, damaged or left open for an extended period tend to cause blocking of the polymer powder.

### Product Liability

The above information and recommendations are based upon our experience and are offered merely for advice. They do not absolve the consumer from making his own tests. Akzo Nobel Chemicals AG, their representatives or distributor organizations have no control over the conditions under which ELOTEX® powders are transported, stored, handled or used. Responsibility for damage arising from the use of our products cannot be derived from the recommendations given. The observance of any intellectual property rights of third parties is the responsibility of the consumer in each case.

Technical information may not be passed on to any third party without our previous consent.

### Other Information

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