

## Technical Datasheet Specialty Additive

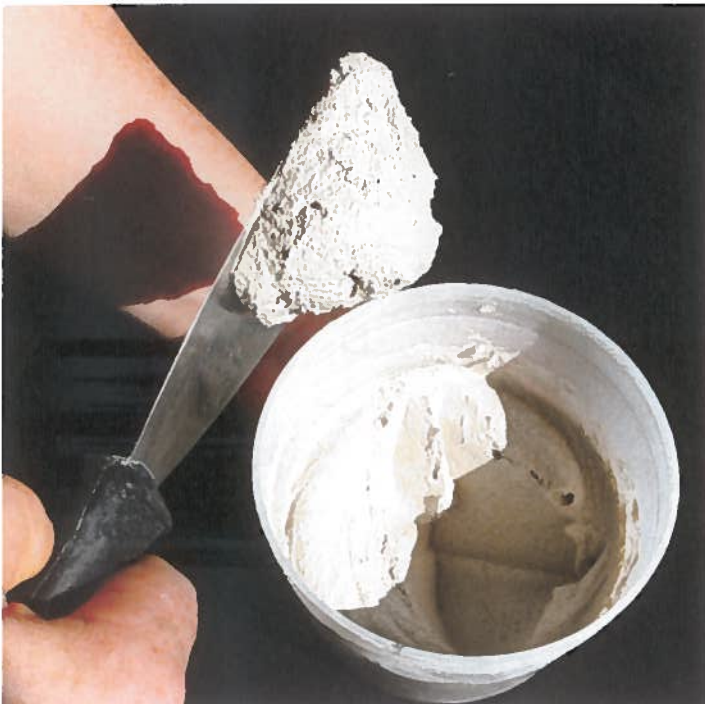
### Description

**ELOTEX® ELOSET543** is highly modified potato starch ether for the building industry. **ELOTEX® ELOSET543** is a cold water soluble chemically modified carbohydrate starch ether in powder form.

**ELOTEX® ELOSET543** is recommended for the modification of non-hydraulic (gypsum / lime) and hydraulic (cementitious) setting mortars, plasters and adhesives like thixotropic tile adhesives, adhesive and composite mortars for ETICS, gypsum jointing and smoothing compounds, all kind of base and top coat plasters and renders, no matter hand or machine applied. Furthermore for general masonry mortar as well as for light weight block mortars.

**ELOTEX® ELOSET543** allows to add more water into the formulation which improves the workability due to the more creamy application consistency. Even the admixture is now more creamy it still has an excellent non sagging consistence what finally results in a higher yield, lower costs per m<sup>2</sup> and time saving due to easier and faster application.

Furthermore part of the usually used cellulose ether amount, especially in thin layer applications where a higher amount is used, can be substituted to a certain amount by **ELOTEX® ELOSET543**. This very common combination improves furthermore the workability, reduces the stickiness to the plastering troweling smoothing tools and allows an easier and better finishing.



## ELOTEX® ELOSET543

### Benefits

- Improved workability
- Improved sag resistance
- Less stickiness to the working tools
- Creamier product consistency
- Higher yield
- Spontaneous thickening development
- Cold water soluble at neutral and alkaline pH
- Reduced application costs
- Formulation latitude
- Easy processing during dry mix production
- Easy mixing of the final product with water
- Excellent compatibility with many cellulose derivatives

### Recommended Applications

Dry gypsum and cement based mortars like

- Tile adhesive
- Tile grouts
- ETICS / EIFS
- Hand and spray applied leveling plasters / renders
- Hand and spray applied texture or smoothing compounds
- Board application jointing compounds
- Crack fillers
- Repair mortars
- Masonry mortars

## Technical Specifications

Composition	Carbohydrate starch ether
Appearance	Free-flowing white powder
Residual Moisture	< 6 %
pH-value	7.5 – 9.5 (as 10% dispersion in water)
Storage Stability	12 months

## Guidelines for use

### Powder Processing

ELOTEX® ELOSET543 can be mixed with other dry additives in all standard compulsory types of mixers to produce gypsum-based finished products in powder form. ELOTEX® ELOSET543 provides excellent and rapid homogenization without irritating dust formation. Depending on the properties of the other additives and mixer, the standard mixing time will be in the range of approx. 1 to 5 minutes.

### Dosage and Mixing

ELOTEX® ELOSET543 is generally used in combination with cellulose ethers. The optimum and the best choice should be 0.03% ELOTEX® ELOSET543 (% on total dry solids) with respect to the finished product properties.

### Compatibility

ELOTEX® ELOSET543 is compatible with all standard mortar additives such as redispersible polymer powders, accelerators, retarders, cellulose ethers etc.

## Quality, Safety and Environment

Elotex powders are non-toxic and are unclassified according to Regulation 88/379/EEC. 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. Elotex has been certified according to DIN EN ISO9001 and DIN EN ISO 14001.

## Packaging, Storage and Handling

Standard packaging: 25 kg paper sacks with polyethylene liners.

As a basic rule it is recommended to store Elotex powders in a dry location at temperatures below 25°C and to process within twelve months after receipt of the delivery. Sacks that are stored under pressure, at increased temperature, damaged or left open for an extended period, increase the risk of caking of the 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. Elotex 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

Version	2 / 10.11.2010
Replace version from	8.10.2010
Date of 1 <sup>st</sup> issue	8.10.2010