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**Product Description**

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**ELOTEX<sup>®</sup> TITAN8100** is a redispersible binder based on a copolymer of acrylates.

Plasticisers	none
Solvents	none
Film-forming agents	none

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**Specifications**

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Appearance	free-flowing, white powder
Bulk density	450 - 650 g/l
Residual moisture	< 1.0%
Ash TGA 1000°C	10.5% +/- 1.5%
pH value	7.0 – 9.0
Glass transition temperature (calculated)	+ 10°C
Minimum film-forming temperature	+ 0°C (after redispersion in water)

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**Application Areas**

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For modification of hydraulically curing systems.

**Main application areas**

- Particularly suitable for systems requiring very high dry and wet strengths such as concrete repair mortars and high performance ceramic tile adhesives

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**Key Properties**

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**During processing**

- Excellent workability
- Easily adjustable for troweling and gap filling
- Significant reduction of water demand
- Partially or full elimination of cement superplasticizer possible
- Note: Incompatibility with anionics resulting in viscosity increase can occur - use this characteristic to set the rheology or avoid such combinations

**In the cured state**

- High early strength
- Increased adhesive strength to concrete substrates
- Excellent wet and freeze-thaw adhesive strength
- High cohesive strength and abrasion resistance
- Reduced shrinkage
- Increased hydrophobicity and reduced water absorption

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**Powder Processing**

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Elotex redispersible powders can be blended in all commercial positive mixers with other dry additives to produce finished products in powder form. Since Elotex redispersible powders exhibit thermoplastic behaviour, mixing times should be as short as possible, and significant temperature rise caused by strong shear forces should be avoided. All hydraulically and non-hydraulically curing dry mixtures with Elotex redispersible powder 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.

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### **Packaging and Storage**

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Standard packaging: 25 kg paper sacks with polyethylene liners.  
Other types of packaging such as Big Bags or silo wagons are possible on request.

As a basic rule it is recommended to store Elotex 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 powder.

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### **Quality, Safety and Environment**

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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 ISO14001.

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### **Product Liability**

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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.

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### **Other Information**

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Version	4 / 15.9.2009
Replaces version from	27.1.2007
Date of issue	13.10.2003

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