
Product Description

ELOTEX® FX6300 is a redispersible polymer powder based on the copolymer of vinyl acetate, ethylene and vinyl chloride especially developed to formulate high class cement based tile adhesives (C2S1 and higher according to EN 12004). ELOTEX® FX6300 is a low emission product allowing to formulate to EMICODE® EC1PLUS requirements. In addition, ELOTEX® FX6300 conforms with the German BfR XIV recommendation for contact with potable water (BfR Recommendations on Food Contact Materials - XIV. Polymer Dispersions).

Protective Colloid	Polyvinyl alcohol
Additives	Mineral anti-block agents

Specifications

Appearance	free-flowing, white powder
Bulk density	500 - 630 g/l
Residual moisture	maximum 1.0 %
Ash TGA 1000°C	10.5% +/- 1.5 %
pH value	6.5 – 8.0 (as a 10% dispersion in water)
Min. film building temp.	0°C
Film properties	opaque, flexible

Application Areas

Product is recommended for the usage of hydraulically and non-hydraulically curing systems for floors and walls. ELOTEX® FX6300 is especially suitable for ecologically demanding cement and gypsum containing tiling products, in which pollution of living area by volatile organic compounds (VOC) must be as low as possible. This powder is especially developed for CTA formulations that must comply with EMICODE® EC1PLUS requirements and it can be used in products intended for contact with potable water.

Main application areas

- Highly recommended for the manufacture of tile adhesives.
- Especially suitable for the use in high-quality tile adhesives such as C2S1 and C2S2 (EN 12004) and CTA formulations with required extended open time.

Key Properties

During processing

- Excellent rheology and workability
- Extended open time
- Increased mortar stability
- Improved water retention capability
- Very fast wetting
- High stirring stability
- Very low emission and odour

In the cured state

- Excellent adhesive bond strength (adhesion) even under wet conditions
- Improved freeze-thaw cycling resistance
- Increased plasticity and flexibility
- Increased cohesive force (cohesion)
- Reduced cracking
- Very low emission of volatile organic compounds

Powder Processing

ELOTEX[®] powders can be blended in all commercial positive mixers with other dry additives to produce finished products in powder form. Since ELOTEX[®] powders exhibit thermoplastic behavior, 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[®] 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.

Packaging and Storage

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.

Quality, Safety and Environment

In general ELOTEX[®] redispersible powders are-not classified as hazardous. However, we recommend all individuals using ELOTEX[®] redispersible 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 ISO14001.

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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