
Powder Processing

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 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[®] 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 adds 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[®] redispersible 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 redispersible powder.

Quality, Safety and Environment

ELOTEX[®] redispersible powders are non-toxic and are unclassified according to Regulation 88/379/EEC. 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 ISO 14001.

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[®] redispersible 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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Product Description

ELOTEX[®] FL2280 is a defoamed redispersible polymer powder based on the copolymer of vinyl acetate and ethylene, especially developed for self leveling flooring compounds.

ELOTEX[®] FL2280 is formaldehyde free, low emissions product allowing for formulating to EMICODE EC1^{PLUS} requirements. In addition to its unique VOC profile, formulations made with ELOTEX[®] FL2280 show superior leveling properties and improvement in surface aspects of hardened formulation.

Protective Colloid	Polyvinyl alcohol
Additives	Mineral anti-block agents

Specifications

Appearance	free-flowing, white powder
Bulk density	440 - 640 g/l
Residual moisture	< 1.0 %
Ash TGA 1000°C	10.5% +/- 1.5 %
pH value	7.0 – 8.5 (as a 10% dispersion in water)
Min. film forming temp.	+ 3°C
Film properties	opaque, viscoplastic

Application Areas

For modification of hydraulically and non-hydraulically curing systems. ELOTEX[®] FL2280 is especially suitable for ecologically demanding cement and gypsum containing flooring products, in which pollution of living area by volatile organic compounds (VOC) must be as low as possible. Product is developed for the manufacture of systems that must comply with EMICODE EC1^{PLUS} requirements and have especially low formaldehyde levels.

Main application areas

- Manually applicable, self-leveling floor leveling compounds in combination with casein, and especially with synthetic plasticizers
- Self-leveling, pumpable floor leveling and flooring compounds with a smooth, unpitted and uniformly colored surface
- Coating compounds with unchanging consistency over long processing periods for manufacture of concrete repair products

Key Attributes

During processing

- Optimum support of flow properties in combination with all market standard synthetic plasticizers and with casein.
- Strong resistance to pitting, and uniform coloring in self-leveling floor leveling compounds
- Has ideal wetting properties, and contributes to reducing the mixing water quantity
- Constant air void content even after extended storage of the finished products.

In the cured state

- Superior final surface appearance and smoothness
- High final strength and high cohesive force (cohesion)
- Increased adhesive bond strength (adhesion)
- Increased flexibility
- Improved freeze-thaw cycling resistance
- Optimization of abrasion and impact resistance
- Reduction of shrinkage and cracking
- Very low emissions