
Product Description

ELOTEX[®] MP2104 is a redispersible binder based on a copolymer of vinyl acetate and ethylene.

Protective Colloid	Polyvinyl alcohol
Additives	Mineral anti-block agents
Plasticisers	none
Solvents	none
Film-forming agents	none

Specifications

Appearance	free-flowing, white powder
Bulk density	450 - 590 g/l
Residual moisture	maximum 1.0 %
Ash TGA 1000°C	13.5% +/- 2.5 %
pH value	4.5 – 5.5 (as a 10% dispersion in water)
Min. film building temp.	+ 3°C
Film properties	opaque, viscoplastic

Application Areas

For modification of hydraulically and non-hydraulically curing systems.

Main application areas

- Optimized for warm, humid climatic zones such as in tropical and subtropical areas; this minimizes the tendency to clump
- Usable in both manually and machine applied finished products
- Use in systems containing cement and gypsum in floor applications
- Self-levelling floor levelling compounds, particularly casein-free systems
- Multi purpose use in hydraulically curing systems

Key Properties

During processing

- Excellent rheology and workability
- Greatly improved flow and levelling properties
- Excellent surface self-levelling and merging on pump processing of fluid floor compounds
- Improved water retention capability
- Reduced water demand
- Fluidizing consistency
- Ideal wetting behaviour
- Optimum levelling behaviour and good compatibility with synthetic levelling agents
- Fast redispersibility

In the cured state

- High final strengths
- High cohesive force (cohesion)
- Increased adhesive bond strength (adhesion)
- Increased flexibility
- Improved freeze-thaw cycling resistance
- Optimization of abrasion and impact resistance

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 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.

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 35°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. Elotex 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. Elotex 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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