
Product Description

ELOTEX[®] FLOWKIT74 consists of polymers based on vinyl acetate, vinyl versatate and butyl acrylate.

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| Additives | Mineral anti-block agents |
| Plasticisers | none |
| Solvents | none |
| Film-forming agents | present |

Specifications

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| Appearance | free-flowing, yellowish powder |
| Bulk density | 500 – 700 g/l |
| Residual moisture | < 2% |
| pH value | 4.5 – 6.5 (10% in water) |

The FLOWKIT Advantages

- Not only standard synthetic superplasticizers but also natural binders such as casein can be partially or fully replaced.
- Raw material and logistic cost savings.
- FLOWKIT mixtures give rise to low-emission finished products (EMICODE EC1).

Application Areas

For modification of hydraulically setting systems.

Main application areas

- Fluidification of systems containing cement such as self-levelling floor compounds, especially in thin-layer applications
- Specially suitable for ecologically demanding cement and gypsum containing floor paving products, in which pollution of living area by volatile organic components (VOC) must be as low as possible (EMICODE EC1)
- Also suitable for several other drymix mortar formulations for fluidification and/or for reduction of water/cement ratio (to increase strength and to reduce shrinkage)

Key Attributes

During processing

- Excellent rheology and workability
- Greatly improved flow and levelling properties
- Excellent leveling together effect
- Strong Reduction of separation in flooring systems
- Reduced water demand
- Fluidifying effect
- Ideal wetting behaviour
- Very low emission

In the cured state

- High final strengths
- High cohesive force (cohesion)
- Increased adhesive bond strength (adhesion)
- Increased water resistance
- Increased flexibility
- Improved abrasion and impact resistance
- Reduction of shrinkage and cracking

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 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.

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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| Version | 3 / 25.8.2008 |
| Replaces version from | 14.7.2008 |
| Date of first issue | 1.6.2008 |
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