

ELOTEX® FLOWKIT53

Technical Data Sheet

Effective Date: 11.04.2022

Characteristics

ELOTEX® FLOWKIT53 is a multifunctional formulated defoamed copolymer based on vinyl acetate, and ethylene, specially developed for self-levelling flooring compounds or screeds.

Industries

ELOTEX® FLOWKIT53 is a raw material for building and construction industry, such as ready-mixed dry mortars. It is used as an organic additive in the formulation of:

- Self-levelling compounds/screeds (cement/gypsum-based, manual/machine applications)
- Tile grouts (standard CG1 and improved CG2, ISO 13007)
- Repair mortars (non-structural and structural, EN 1504)

For any additional application, please contact our local consultant.

Why ELOTEX® FLOWKIT53?

- Enhanced adhesion and cohesion strength
- Short mixing time with fast fluidification
- Excellent flowability, defoaming and levelling
- Reduction of water demand resulting in high strength development, reduced shrinkage, and high abrasion resistance
- Compatibility with different types of cement
- Allowing replacement of superplasticizers, defoamers, and the part of redispersible polymer powder

ELOTEX® FLOWKIT53 is formaldehyde-free with extremely low emission levels of volatile organic compounds (VOC), allowing manufacturers to formulate finished products in accordance with stringent eco-labelling requirements.

Performance may vary depending on your formulation. Please contact our Application Technology Group to assist you.

Dosage, Mixing and Compatibility

The usual dosage ELOTEX® FLOWKIT53 is between 0.5 and 2.0% (weight % on dry mortar). Prolonged mixing time during dry mortar production should be avoided. ELOTEX® FLOWKIT53 is compatible with standard mortar additives, such as redispersible polymer powders, accelerators, retarders, cellulose ethers etc.

Characteristics	
Composition	Polymer based on vinyl acetate and ethylene
Appearance	Free-flowing, white powder

Specification	Adjusted Methods*	Value
Bulk Density	EN 543	500 – 700 g/l
Residual moisture	Specific method	max 2.0 %
Ash content (950 °C)	EN 1246	9.5 ± 1.5 %
pH value (10 % redispersion in water)	Specific method	4.0 – 6.0

* Standard adjusted to Celanese test method. Further details regarding the test method can be made available on request.

Guidelines for Storage, Handling and Powder Processing

Store ELOTEX® powder in a cool, dry place in original packaging at temperatures not exceeding 25 °C and process within six months after the date of delivery. Avoid storing ELOTEX® powder under pressure, in damaged sacks, in contact with moisture or heat, or in sacks left open for an extended period, as this may result in blocking of the powder. If the product is stored for longer than six months after the date of delivery, users are advised to evaluate properties required for the intended use.

ELOTEX® FLOWKIT53 can be blended in all commercial mixers with other dry additives to produce cement-based finished products in powder form. Significant temperature increases caused by strong shear forces should be avoided. All hydraulically and non-hydraulically curing dry mortars used with ELOTEX® FLOWKIT53 can be easily mixed with water before application.

Packaging and Transport

Standard packaging: 25 kg paper sacks with polyethylene liners. Other types of packaging, such as Big Bags, are available on request.

Product Safety, Regulatory Status and Environmental Protection

Please employ the usual protective measures while handling ELOTEX® powders. Further product safety or regulatory information can be obtained from our safety data sheets at celanese.com/sds-search.

As of its effective date, this Technical Data Sheet supersedes and is in lieu of all former Technical Data Sheets of ELOTEX® FLOWKIT53.

This information is based on our present state of knowledge and is intended to provide general notes on our products and their possible uses. However, we do not assume any liability whatsoever for the accuracy or completeness of the information contained herein. It should therefore not be construed as an expressed or implied warranty of specific properties of the products or for its suitability for a particular use. Any existing industrial property rights must be observed. The quality of our products is governed by our General Conditions of Sale. In every case we urge and recommend that purchasers before using any product in full scale production make their own tests to determine to their own satisfaction whether the product is of acceptable quality and is suitable for their particular purposes under their own operating conditions. The customer may forward, distribute, and/or photocopy this document only if unaltered and complete, including all of its headers and footers, and should refrain from any unauthorized use. Don't copy this document to a website.
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