

ELOTEX FL3210

ELOTEX® FL3210 is a defoamed redispersible polymer powder based on vinyl acetate, vinyl versatate, and ethylene. It is specially developed for self-levelling flooring compounds or screeds and acts as an organic binder to enhance the adhesion ability, cohesion, and workability of corresponding building materials, such as ready-mix dry mortars. ELOTEX® FL3210 is a hard polymer with excellent defoaming and levelling properties in conjunction with superplasticizers. Due to its monomer composition, it provides superior water resistance resulting in improved surface hardness and stability. This is particularly important when water-based adhesives are applied. Hardened mortars modified with ELOTEX® FL3210 exhibit improved abrasion resistance, adhesion, flexural and compressive strengths, as well as smooth and defect-free surfaces. ELOTEX® FL3210 shows extremely low emission levels of volatile organic compounds (VOC), allowing manufacturers to formulate finished products in accordance with stringent eco-labelling requirements, such as EMICODE EC1PLUS.

Specifications

Appearance	Free flowing white powder
Polymer base	Vinyl acetate-versatate-ethylene
Protective colloid	Polyvinyl alcohol
Additives	Mineral anti-block agents
Bulk density	400-600 g/l
Residual moisture	≤ 1.0 %
Ash content, 950 °C	9.0-12.0 %
pH, 10% redispersion in water	6.0-8.0
Minimum film forming temperature	+5 °C

Applications

Self-levelling / screeds (cement and gypsum-based, manual / machine application). For any additional applications please contact your local consultant.

Storage

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.

Packaging and transport

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

Safety and handling

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 on the safety, health and environmental issues relating to our products. Powder processing: ELOTEX® redispersible powders can be blended in all commercial 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 increases caused by strong shear forces should be avoided. All hydraulically and non-hydraulically curing dry mixtures can be easily combined with ELOTEX® redispersible powder and subsequently mixed with water before application.

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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