

ELOTEX HD4500

ELOTEX® HD4500 is a redispersible polymer powder based on vinyl acetate, vinyl versatate and acrylate, particularly suitable for applications where excellent hydrophobic properties are required. It acts as an organic binder to enhance the adhesion ability, cohesion, and workability of corresponding building materials. ELOTEX® HD4500 is a highly hydrophobic product, ideal for all applications where low capillary water uptake is required. Thanks to its unique monomer composition, this copolymer is highly saponification resistant and provides hydrophobic properties. Mortars modified with this product have good water repellency, reduced water absorption, excellent water pressure impermeability, excellent adhesion, and good abrasion resistance. ELOTEX® HD4500 shows low emission levels of volatile organic compounds (VOC), allowing manufacturers to formulate finished products in accordance with eco-labelling requirements, such as EMICODE.

Specifications

Appearance	Free flowing white powder
Polymer base	Vinyl acetate-versatate-acrylate
Protective colloid	Polyvinyl alcohol
Additives	Mineral anti-block agents
Bulk density	350-550 g/l
Residual moisture	≤ 1.0 %
Ash content, 950 °C	8.2-10.7 %
pH, 10% redispersion in water	7.5-8.5
Minimum film forming temperature	0 °C

Applications

Cementitious waterproofing slurries (rigid, one-component systems); Tile grouts (standard CG1 and improved CG2, ISO 13007); renders (cement) (skim coat (stucco)). 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, the 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

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.

ELOTEX® is a registered trademark of Celanese

Contact Us

Celanese Switzerland AG
Industriestrasse 17a
CH-6203 Sempach Station
Switzerland
+41 41 469 69 69
+41 41 469 69 00 (Fax)

