

ELOTEX® HD2000

Technical Data Sheet

Effective Date: 11.04.2022

Characteristics

ELOTEX® HD2000 is a hard redispersible polymer powder based on a copolymer of vinyl acetate and ethylene with hydrophobic properties.

Industries

ELOTEX® HD2000 is a raw material for building and construction industry, such as ready-mixed dry mortars. It is used as an organic binder in the formulation of:

- Tile grouts (CG1/CG2, ISO 13007)
- Renders (cement) / plasters (gypsum), (base coats, topcoats, e.g., skim coats)
- Joint fillers and smoothing compounds (gypsum and polymer-based)
- Cementitious waterproofing membranes (rigid, one-component)

For any additional application, please contact our local consultant.

Why ELOTEX® HD2000?

Mortars modified with ELOTEX® HD2000 exhibit:

- Improved workability with neutral rheology
- Improved adhesion and cohesion
- Improved water resistance
- Improved deformability
- Enhanced abrasion resistance

ELOTEX® HD2000 shows extremely low emission levels of volatile organic compounds (VOC), allowing manufacturers to formulate finished products in accordance with stringent eco-labelling requirements.

Performance of ELOTEX® HD2000 may vary depending on your formulation. Please contact our Application Technology Group to assist you.

Characteristics	
Polymer base	Vinyl acetate-ethylene
Protective colloid	Polyvinyl alcohol
Additives	Mineral anti-block agents
Appearance	Free-flowing, white powder
Minimum film forming temperature (MFFT)	approx. +3 °C

Specification	Adjusted Methods*	Value
Bulk Density	EN 543	500 – 650 g/l
Residual moisture	Specific method	max 1.0 %
Ash content (950 °C)	EN 1246	10.5 ± 1.5 %
pH value (10 % redispersion in water)	Specific method	6.0 – 8.0

* 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® redispersible polymer 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® redispersible polymer 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® redispersible polymer powders can be blended in all commercial mixers with other dry additives to produce finished products in powder form. Since ELOTEX® redispersible polymer 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 with ELOTEX® redispersible polymer powder 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 or delivery in silo wagons, 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® HD2000.

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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