

# ELOTEX® HD2040

## Technical Data Sheet

Effective Date: 11.04.2022

### Characteristics

ELOTEX® HD2040 is a flexible redispersible polymer powder based on a copolymer of vinyl acetate and ethylene with hydrophobic properties.

### Industries

ELOTEX® HD2040 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:

- External Thermal Insulation Composite Systems (ETICS/EIFS) (adhesive mortars, base coats (embedding mortars), topcoats)
- Tile grouts (CG1/CG2, ISO 13007)
- Renders (cement)
- 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® HD2040?

Mortars modified with ELOTEX® HD2040 exhibit:

- Improved workability and neutral rheology
- Improved adhesion and cohesion
- Enhanced adhesion between insulation boards to wall and mortar, especially boards made of expanded or extruded polystyrene (EPS and XPS)
- High flexibility and impact resistance
- Improved water resistance
- Low capillary water uptake
- Increased crack resistance
- Improved deformability and flexural strength

ELOTEX® HD2040 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® HD2040 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. 0 °C

Specification	Adjusted Methods*	Value
Bulk Density	EN 543	450 – 650 g/l
Residual moisture	Specific method	max 1.0 %
Ash content (950 °C)	EN 1246	11.5 ± 1.5 %
pH value (10 % redispersion in water)	Specific method	6.0 – 9.0

\* 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](http://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® HD2040.

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