

ELOTEX® ELOSET542

Technical Data Sheet

Effective Date: 11.04.2022

Characteristics

ELOTEX® ELOSET542 is a cold-water-soluble chemically modified waxy maize starch ether in powder form. It acts as a rheology modifier of dry mortars.

Industries

ELOTEX® ELOSET542 is a raw material for building and construction industry, such as ready-mixed dry mortars. It is used as an organic additive in the formulations of:

- Tile adhesives (standard C1 and improved C2, ISO 13007)
- External Thermal Insulation Composite Systems (ETICS/EIFS)
- Renders/plasters
- Joint fillers
- Repair mortars (non-structural, EN 1504)

For any additional application, please contact our local consultant.

Why ELOTEX® ELOSET542?

- Enhances workability, consistency and water demand of desired dry mortars
- Demonstrates linear thickening effect
- Excellent wetting and mixing properties
- Reduces stickiness
- Offers high yield

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

Dosage, Mixing and Compatibility

The usual dosage of ELOTEX® ELOSET542 is between 0.01 and 0.2% (weight % on dry mortar). Prolonged mixing time during dry mortar production should be avoided.

ELOTEX® ELOSET542 is compatible with standard mortar additives, such as redispersible polymer powders, accelerators, retarders, cellulose ethers etc.

Characteristics	
Composition	Waxy maize starch ether
Appearance	Free-flowing, white powder

Specification	Adjusted Methods*	Value
Particle size	Specific method	<250 µm
Residual moisture	Specific method	max 10.0 %
pH value (10 % redispersion in water)	Specific method	4.8 – 7.2

* 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® ELOSET542 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® ELOSET542 can be easily mixed with water before application.

Packaging and Transport

Standard packaging: 25 kg paper sacks with polyethylene liners. Other types of packaging 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® ELOSET542.

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