

ELOTEX® CAST710

Technical Data Sheet

Effective Date: 11.04.2022

Characteristics

ELOTEX® CAST710 is a unique additive specially designed for calcium sulfate based self-levelling flooring compounds and screeds

Industries

ELOTEX® CAST710 is a raw material for building and construction industry, such as ready-mixed dry mortars. It is used as an additive in the formulation of:

- Self-levelling compounds/screeds (cement/gypsum-based, manual/machine applications)

For any additional application, please contact our local consultant.

Why ELOTEX® CAST710?

- Excellent flow and levelling
- Excellent defoaming and stabilization
- Reduction of water demand resulting in high strength development, reduced shrinkage, and high abrasion resistance
- Enhanced adhesion and cohesion strength
- Compatibility with all types of calcium sulfate including β -hemihydrate calcium sulfate

ELOTEX® CAST710 shows extremely low emission levels of volatile organic compounds (VOC), allowing manufacturers to formulate finished products in accordance with stringent eco-labelling requirements.

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

Dosage, Mixing and Compatibility

The usual dosage ELOTEX® CAST710 is between 0.1 and 2.0% (weight % on dry mortar). Prolonged mixing time during dry mortar production should be avoided. ELOTEX® CAST710 is compatible with standard mortar additives, such as redispersible polymer powders, accelerators, retarders, cellulose ethers etc.

Characteristics		
Composition	Formulated additive	
Appearance	Free-flowing, white powder	
Specification	Adjusted Methods*	Value
Bulk Density	EN 543	550 – 750 g/l
Residual moisture	Specific method	max 2.0 %
pH value (10 % redispersion in water)	Specific method	11.5 – 13.5

* 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® CAST710 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® CAST710 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, 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® CAST710.

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

Celanese Switzerland AG
Industriestrasse 17a
6203 Sempach Station
Switzerland
+41 41 469 69 69 Phone

contact.elotex@celanese.com
www.celanese.com