

ELOTEX® SEAL712

Technical Data Sheet

Effective Date: 11.04.2022

Characteristics

ELOTEX® SEAL712 is an encapsulated silane in powder form. The active ingredient of ELOTEX® SEAL712 is released when the mortar is mixed with water, and it subsequently binds covalently to the inorganic mortar matrix.

Industries

ELOTEX® SEAL712 is a raw material for building and construction industry, such as ready-mixed dry mortars. It is used as an organic additive in all gypsum-based formulations where extended humidity or water resistance is required, such as:

- Gypsum-based plasters, e.g., skim coats
- Gypsum-based joint fillers
- Gypsum-based self-levelling compounds

For any additional application, please contact our local consultant.

Why ELOTEX® SEAL712?

- Outstanding water-repellent properties on the surface and in mass of gypsum mortars
- Excellent pearl effect
- Reduced water uptake
- Long-term mortar durability
- Excellent wetting and mixing properties
- Easy to dose with low dust formation
- Long lasting shelf life
- Fully efficient in alkaline mediums at pH > 10
- Reduces the need for priming while retaining good paintability and coating properties

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® SEAL712 is between 0.2 and 0.5% (weight % on dry mortar). Prolonged mixing time during dry mortar production should be avoided.

ELOTEX® SEAL712 is compatible with standard mortar additives, such as redispersible polymer powders, accelerators, retarders, cellulose ethers etc.

Characteristics	
Composition	Silane-based additive
Active material	Alkyloxysilane
Appearance	Free-flowing, white powder
Odour	None

Specification	Adjusted Methods*	Value
Bulk Density	EN 543	200 – 500 g/l
Residual moisture	Specific method	max 2.0 %
pH value (10 % redispersion in water)	Specific method	7.0 – 8.5

* 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® SEAL712 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® SEAL712 can be easily mixed with water before application.

Packaging and Transport

Standard packaging: 10 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® SEAL712.

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