

Technical Datasheet Specialty Additive

Description

ELOTEX® ERA200 is a highly active, efflorescence reducing additive in powder form for cement based building mortars.

ELOTEX® ERA200 is designed as specialty additive for cement based building plasters, renders and mortars. It eliminates or drastically reduces the occurrence of primary and secondary efflorescence.

ELOTEX® ERA200 is especially recommended for the use in tile grouts, renders, such as one coat renders (monocouche) or skim coats (putty), brick layer mortars or other outdoor mortar products.

ELOTEX® ERA200 works as a multifunctional additive with several efflorescence preventing mechanisms such as reduction of capillary connectivity, size reduction of efflorescence forming crystals and reduction of water permeability. It maintains the aesthetics of building materials over time.

ELOTEX® ERA200 works excellent against primary and secondary efflorescence. Despite reducing the problem of efflorescence ELOTEX® ERA200 improves the mortar stability, workability and acts also as dispersing / wetting agent and improves the colour stability and brightness. Furthermore it increases the surface hydrophobicity what is required in coloured one coat renders like "monocouche".

ELOTEX® ERA200 is free of plasticisers, solvents and film-forming agents.



ELOTEX® ERA200

Benefits

- Efflorescence reducing additive in powder form for cement based building mortars
- Colour stability improvement
- Colour brightness improvement
- Ideally suited to eliminate or drastically reduce the occurrence of primary and secondary efflorescence
- Increases surface hydrophobicity / water repellency
- Maintains the aesthetics of building materials over time
- High efficiency
- Compatible with other additives
- Good mixing and wetting properties
- Excellent workability.
- Improved mortar rheology
- Dispersing and wetting properties

Recommended Application

- Tile grouts
- Base coat renders / plasters
- One coat renders (monocouche)
- Decorative texture renders / plasters
- Skim coat (Putty, Feather Finish, Satin,...)
- ETICS or EIFS composite mortar
- Stencil mortar
- Stone imitation mortars
- Brick layer mortars

Technical Specifications

Composition	Modified rosin with fatty acid derivative
Appearance	Free-flowing yellowish powder
Odour	Characteristic
Bulk Density	350 – 550 g/l
Particle Size	< 250 µm
Residual Moisture	< 3.0 %
pH-Value	8.0 – 10.0 (as 10% solution in water)
Storage Stability	6 months

Guidelines for use

Powder Processing

ELOTEX® ERA200 can be mixed with other dry additives in all standard compulsory type mixers to produce cement-based finished products in powder form.

ELOTEX® ERA200 provides excellent and rapid homogenization. Major temperature increases due to high shear forces should be avoided. Depending on the properties of the other additives and mixer, the standard mixing time will be in the range of approx. 1 to 5 minutes.

Dosage and Mixing

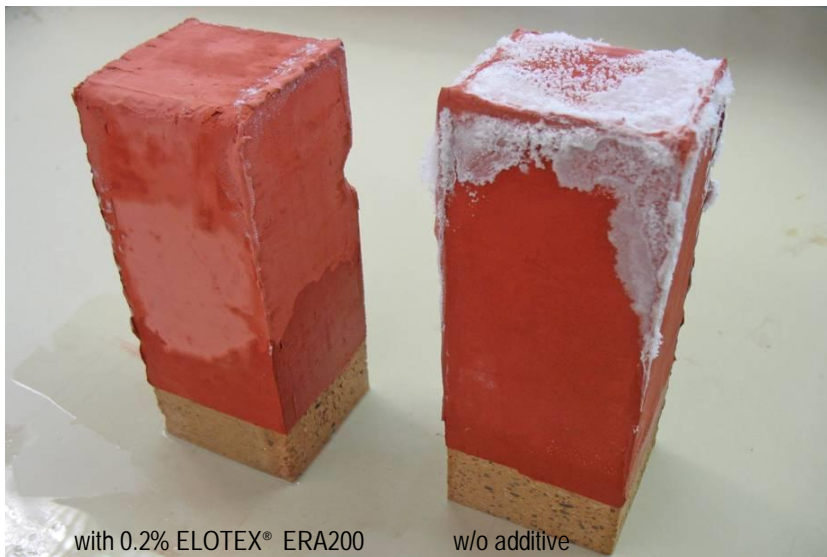
ELOTEX® ERA200 is highly efficient and easy to mix with water.

Typical dosages of ELOTEX® ERA200 in cementitious dry mortars are from 0.1 to 0.4 % on total dry formulation. The optimum concentration is depending on the ultimate requirements on the product and should be tested. As short a mixing time as possible is recommendable.

Compatibility

ELOTEX® ERA200 is compatible with all types of cement. As well as with all standard mortar additives such as redispersible polymer powders, cellulose ethers, accelerators, retarders, stabilizers, thickeners, defoamers, etc.

Test Results



Quick test method for secondary efflorescence. Skim coat is applied on porous clay brick and partially immersed into salt solution for several days.

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Quality, Safety and Environment

In general ELOTEX® powders are not classified as hazardous. However, we recommend all individuals using ELOTEX® powder, or coming in contact with it, to observe the separate Safety Data Sheets. Our safety specialists will be pleased to advise you regarding safety, health and environmental issues of our products. Akzo Nobel Chemicals AG has been certified according to DIN EN ISO9001 and DIN EN ISO14001.

Packaging, Storage and Handling

Standard packaging: 10 kg plastic bucket
Store in original packaging.

As a basic rule it is recommended to store ELOTEX® powders in a dry location at temperatures below 25°C and to process within six months after receipt of the delivery. Buckets that are stored under pressure, at increased temperature, damaged or left open for an extended period, increase the risk of caking of the powder.

Product Liability

The above information and recommendations are based upon our experience and are offered merely for advice. They do not absolve the consumer from making his own tests. Akzo Nobel Chemicals AG, their representatives or distributor organizations have no control over the conditions under which ELOTEX® powders are transported, stored, handled or used. Responsibility for damage arising from the use of our products cannot be derived from the recommendations given. The observance of any intellectual property rights of third parties is the responsibility of the consumer in each case.

Technical information may not be passed on to any third party without our previous consent.

Other Information

Version	6 / 20.5.2014
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