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.

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

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

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.