

ESTonetex System for theming of stone, rocks, bricks, woods, etc...

## Data Sheet

# ESTonetex® - Extreme SR/MR

### MATERIAL CLASS

ESTonetex - Extreme SR / MR is a highly resistant plaster mortar ideal for aquariums, zoos or immersion areas, of high hardness and resistance, for the creation and restoration of horizontal and vertical walls, both in compromised interiors and exteriors or environments exposed to immersion in both fresh and salt water. With high thixotropic performance, it allows the creation of volumes, with applications from 1 cm to 15 cm thick in a single coat, provided that it is enriched with its mineral additive EST-26 Multilite. Its composition based on binders, resins, additives and selected aggregates, allows obtaining a product with high physical and chemical performance.

The use of ESTonetex - Extreme SR / MR is a contribution to environmental sustainability, since the binder incorporated has been obtained with lower CO2 emissions, thus reducing the carbon footprint compared to other commonly used ones.

In this way, the use of ESTonetex - Extreme SR / MR guarantees resistant and durable finishes, which are also respectful with the environment.

### FIELDS OF USE

Especially recommended where the best performance is required in Theming of the ESTonetex System, considerably improving the mechanical stresses of a CS IV plaster mortar, since it easily triples the compressive strength required for this type, according to standard EN 998-1, higher or equal to 6 N / mm<sup>2</sup>, reaching strengths equal to or greater than 20 N / mm<sup>2</sup> with correct curing. Suitable for:

- For surfaces that will be immersed in fresh or salt water.
- For professional theming in zoos, aquariums and harsh climates.
- For surfaces subject to high mechanical wear.
- For critical volumetric reconstruction in restorations and heritage where optimized performance is required.
- Where the surrounding climatic conditions (both indoors and outdoors) make it difficult for standard CSIV mortars to cure adequately and reach their optimum hardness.

### PRIMING

Depending on the type and application requirements, we recommend using EST-26 Multilite or EST-6 Plus products as primers. These primers provide a bond between the base and its drying. Let the primer dry for 24 hours before applying the mortar.

### APPLICATION

Apply the ESTonetex - Extreme SR / MR mortar enriched with EST-26 Multilite, on clean surfaces, free of dust, release agents, paint or any other substance that can affect its adherence.

The support must be consistent and all possible cracks due to shrinkage, settlement, etc ...

1. Prepare the mixture of the EST-26 Multilite additive + water, in a proportion of 1 liter of EST-26 Multilite for every 5 liters of water.

### With EST-26 Multilite:

#### • Application **by hand**:

- For applications up to 1-1.5 cm thick: between 4.4L-4.6L / 25 kg bag.
- In applications greater than 1.5 cm: between 4.2L-4.5L / 25 kg bag.

#### • Application with a **spraying machine**: between 4.8L-5L / 25 kg bag.

In any of the above cases, mix until obtaining a homogeneous paste without lumps and the most favorable in terms of the desired viscosity in each case, as environmental conditions, especially temperature and air incidence, can alter it as the case may be. For this reason, and especially for machine spraying, they should adjust the need for dissolution to the machine until the proper spraying viscosity is achieved.

In all cases and once it is well homogenized, it will be applied immediately. After application, utensils, machinery and hoses should be cleaned with water, immediately after use, before the mortar sets.

An average of 800-1000 ml of EST-26 Multilite additive is needed for every 25 kg of ESTonetex - Extreme SR / MR mortar, depending on the application method and thickness.

When applied by hand, first extend a very fine hand on the support pressing to rescue the occluded air and then regrow up to a recommended maximum of 5-10 to 15-20 cm. With a machine, the material will be applied to the desired thickness, taking into account the appropriate technique that allows high thickness to be applied. Once the mortar has been leveled, you can wait approx. 1-2 hours up to sometimes 4-6 hours to be able to thematize, flatten, shape, engrave and scrape it, being the maximum period of workability from its application, depending on the temperature and humidity. Once the required textures have been made, it will be left to dry for 24-48 hours, during which time the last effects can be carried out and the finishes can be carried out.

## COLOR FINISHES

**Non-covering silicate glazes:** Apply a minimum of 2-3 coats of EST-26 Multilite pigmented with EST-Mixol oxides. It is applied in its concentrated state (200-350 ml / m<sup>2</sup> depending on the absorption of the support).

**Semi-Coated Silicate Glazes:** For a semi-transparent silicate glaze, apply 2 coats of EST-Monocrom. Always use EST-Mixol oxide pigments.

## PROTECTIONS

It is always recommended to use as final protection (EST-7, EST-3 Plus, EST-4 Extreme or even our antigravity EST- Macs Fluorosil or EST- Macs Eposilan for the correct conservation of the system, according to the use that is going to you to be applied to the mortar, for which we have a range of waterproofing and protective products. If in doubt, consult our technical service. Information available at [www.estechareproducciones.com](http://www.estechareproducciones.com)

## RECOMMENDATION

·In critical or singular points (structural joints, joints between different materials, or even in large thicknesses if deemed appropriate), it is very convenient to incorporate a mesh in the middle part to reinforce and reinforce it, thus enabling it to face stresses. or differential dilations that could produce a never desirable cracking. The use of mesh is recommended, with a light of approximately 10 x 10mm. Always follow the NBE / FL 90 standard for mortar application.

·In hot weather (temperature higher than 30° C), it is recommended to take the following precautions: Moisten the base very well, avoid prolonged exposure to the sun and watch the drying times.

·Do not apply the mortar at temperatures below 5° C, or with the risk of rain or frost.

## EFFICIENCY

Approximate yield at 1 cm thickness 18-20 Kg./m<sup>2</sup> depending on the application viscosity.

## COMPOSITION

SR / MR gray cement, limestone sands with grain sizes 0.2 and 0.1 and additives.

## COLOR

Standard in gray and optionally and depending on quantities they can be in other colors. Check prices, delivery time and minimum quantities for other non-serial colors. Pigmentable in its mixing process with powdered oxide pigments (red, black, ocher, green, blue). Check prices.

## APPLICATION TEMPERATURE

Between 5° C and 30° C, and maximum relative humidity 80%.

## DRYING AND CURING

Ideal curing and drying conditions are understood to be 20°C and 60% relative humidity. The drying and curing times for the mortar can be significantly affected depending on the temperature and humidity. The higher the cold and high humidity, the longer the drying and curing time. In compromised environments, you must condition the temperature and humidity by means of ventilation with hot air and extraction, so that condensation is avoided.

COMPATIBILITY	Do not mix with other products, except with EST-26 Multilite.
STORAGE	12 months from the date of manufacture, in original container and insulated from moisture.
PACKING	25 kg double sheet paper sacks (+/- 2%). Identified by batches. 1200 kg pallets (48 bags).
PRECAUTIONS	Request a safety data sheet. We recommend: Avoid the formation and accumulation of dust. Go out to an airy place. Avoid contact. Wash off immediately with clean water. Avoid prolonged contact. In case of irritation, wash with water. We recommend wearing suitable protective clothing: - Dust mask for respiratory protection. - Protective glasses for the eyes. - Long-sleeved work clothes.
NOTE	In case of doubt, consult our technical department.

**LEGAL NOTE:**

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