MORTARS

✦ ESTonetex® System ✦

Reproductions of stones, rocks, bricks, woods, etc ...

DECO Design
Walls & Floor
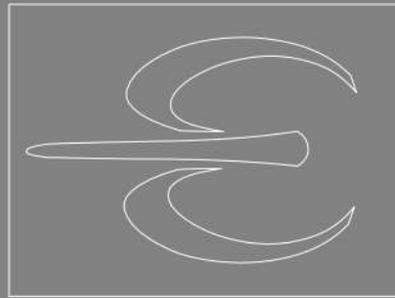
ESTECHA®

Theme decorations of waterfalls, facades, wineries, commercial premises hotels

ESTonetex®-Park M

THEMING PARKS

■ DESCRIPTION

ESTonetex®-Park M is a high resistance micro-concrete, special for theme parks, climbing walls, rocks, etc. It stands out for its spectacular projection with a machine and its great thixotropy. Formulated with high initial strength cement, selected granulometry aggregates and organic additives that give the mortar high workability and adherence to supports. Especially used for the ESTonetex® Theming System and as an anchoring base on top of galvanic or fiberglass mesh structures. Ideal in theming works with great thicknesses and/or use of armor. Available in fine and thick version.

■ USES

Especially used for new concepts of theme parks, climbing walls, rocks and all kinds of reproductions of the ESTonetex® System, for reinforced and mesh surfaces, where high resistance is needed in the realization of volumetrics with great thicknesses and/or as basic support in structures for the ESTonetex - Expanded mortar that is going to be themed.

■ ADVANTAGES

·Easy carved and textured.
·Great thixotropy, excellent workability.
·Manual or mechanical application. Projectable.
·High water retention.
·Indoor and outdoor application.
·Fast and secure application.
·High mechanical resistance.
·Free of chlorides.

Only with water:

For every 25 kg of ESTonetex®-Park M be used 3,75-4,75 (Fine) and 3,25-4,25 (Thick) liters of water.

■ PACKAGING

ESTonetex®-Park M is packed in multi-sheet paper bags 25 kg with foil anti-humidity foil (+/-2%). 1200 kg pallet (48 bags).

■ TECNICAL DATA

Product identification and application data	
Appearance	Powder
Color	White or gray.
Yeld	20 kg/m² per 1 cm of thickness
Mixing water	± 17% (Fine)
	± 15% (Thick)
Workability time	>1-2 H
Application temperature	Between 5°C and 30°C
Minimum thickness per layer	10 mm
Maximum thickness per layer	30 mm
Fine grain size range	Fine-0-2 mm
	Thick-0-4 mm
Kneading water	$\leq 0,4 \ Kg/m^2 min^{1/2}$
Compatibility	do not mix with other products
Tariff item	3824.50.09.00
Reaction to fire	Class F
Adhesion	≥ 0,3 MPa
Comprensive strength	≥ 25,0 MPa
Thermal conductivity	≥ 0,92 W/m·k

EN 998-1

ESTonetex®-Park S

THEMATIC MORTAR

■ DESCRIPTION

ESTonetex®-Park S is a waterproof mortar used for theming large surfaces and formulated based on white or gray cement, limestone aggregates with granulometry selected, organic additives and fiber reinforced. Available in three colors: white, gray and sandstone.

■ USES

Especially used for theme park theming, facades, warehouses, as a mineral coating or for thematic reproductions of the ESTonetex® System.

■ ADVANTAGES

- Manual or mechanical application. Projectable.
- Good mechanical resistance.
- Applicable directly on the enclosure.
- Excellent workability.
- Carved, textured finish.
- Impervious to rainwater and permeable to water vapour.
- Indoor and outdoor application.
- Fast and secure application.
- Formulation and dosage in an industrial plant, which allows obtaining products of controlled quality and properties. Not suitable for chlorinated or salt water.

Only with water:

For every 25 kg of ESTonetex®-Park S be used 4,0-5,0 of water.

■ PACKAGING

ESTonetex®-Park S is packed in multi-sheet paper bags 25 kg with anti-humidity foil (+/-2%). 1200 kg pallet (48 bags).

■ TECNICAL DATA

Datos de identificación y aplicación del producto	
Appearence	Dust
Color	White, sandstone and gray
Performance	~15 kg/m² per 1 cm of thickness
Granulometry	0-2 mm
Temperature of aplication	Between 5°C and 30°C
Minimal thickness finishing	10 mm
Maximal thickness of aplication	30 mm per layer
Water absorption	≤ 0,2 Kg/m²min1/2
Compatibility	do not mix with other products
Mixing water	± 16%
Tariff heading	3824.50.09.00
Reaction in front of fire	Class A1
Adhesion	≥ 0.20 MPa
Resistance to compression	≥ 8,0 MPa
Conductivity thermal	0,81W/m·K

EN 998-1

ESTonetex®-Fibrax

SUPERFIBED MORTAR THATSUPPLIES THE MESH
THEMING OF ROCKS, STONES, WOODS

■ DESCRIPTION

ESTonetex®-Fibrax is a superfibrated mortar composed of cement, resin, fibers, limestone aggregates with a controlled granulometry and additives that give it excellent workability and high adherence.

■ USES

Especially recommended in Theming of the ESTonetex® System, in rehabilitation works or as a primer in general and a high-adherence mineral bonding bridge on surfaces, especially expanded (EPS) or extruded (XPS) polystyrene and similar surfaces.
Even on mineral bases, if it is deemed necessary to use a highly adherent mineral primer with a suitable texture to receive ESTonetex® mortars on surfaces to be themed.

■ ADVANTAGES

• High adherence to EPS and XPS polystyrene.
• High fiber content.
• Replaces the anti-crack mesh.
• Better grip for mortars that are applied on top.
• Manual application or with a projection machine.
• Easy application and workability.
• Compression resistance.
• High resistance to bending.

Only with water:

For each 25 kg bag of ESTonetex -Fibrax, start with 5.5 liters of water, until the appropriate consistency is achieved.

■ PACKAGING

ESTonetex -Fibrax is packaged in 25 kg (+/- 2%) multi-sheet paper bags with antihumidity foil. 1200 kg pallet (48 bags).

■ TECNICAL DATA

Product identification and application data	
Appearance	Powder
Color	Gray
Composition	Gray cement, resin, fibers, limestone aggregates and additives.
Consumption	12-13 kg/m² per 1cm thickness
Yeld	2m²/bag per 1cm thickness
Granulometric range	Continuous from 0 to 2 mm
Fresh density	1,45 kg/liter (+/-0,1) (UNE-EN 1015-8)
Air content of fresh mortar	≥ 30% (UNE-EN 1015-7)
Compressive strength 28 day	≥ 15 N/mm² (UNE-EN 1015-11)
Flexural strength 28 days	≥ 4 N/mm² (UNE-EN 1015-11)
Adhesion to polystyrene (EPS)	≥ 0,2 N/mm² (support breakage)
Adhesion (FP) (UNE-EN 1015-12)	≥ 0,3 N/m m² (A/B)(boot from support)
Reaction to fire (EN-12004)	E (1)