

# Ecomortar EF-3.5 - Ready-Mix

Premixed pure & natural hydraulic lime and sand mortars for building, pointing, repointing, plastering and finishing in a variety of colors

The absence of cement, ashes, gypsum and other pozzolanic additions together with its other qualities, make Ecomortar EF-3.5 highly suitable for repair and conservation work on traditional, vernacular and historic buildings. In new build the properties of Ecomortar EF-3.5 will allow dispersion of condensation and will accommodate small settlement movements.

## Ecofriendly Characteristics:

- High vapour exchange qualities
- Produced with lower energy than cementitious mixes
- Re-absorption of CO<sub>2</sub> in curing
- Will not deteriorate timber
- Possibility of recycling the materials used in building
- Elimination of painted finishes

## Mechanical Characteristics

<i>Ecomortar EF-3.5</i>		
Dry bulk density	lbs/ft <sup>3</sup> (kg/m <sup>3</sup> )	103 (1650)
Dry bulk density (Powder)	lbs/ft <sup>3</sup> (kg/m <sup>3</sup> )	83 (1329)
Dry bulk density (Paste)	lbs/ft <sup>3</sup> (kg/m <sup>3</sup> )	104 (1670)
<i>Compressive Strength(EN-459)</i>		
7 days	Psi (N/mm <sup>2</sup> )	145 (1.0)
28 days	Psi (N/mm <sup>2</sup> )	210 (1.45)
90 days	Psi (N/mm <sup>2</sup> )	424 (2.96)
6 months	Psi (N/mm <sup>2</sup> )	650 (4.5)
12 months	Psi (N/mm <sup>2</sup> )	783 (5.4)
24 months	Psi (N/mm <sup>2</sup> )	800 (5.5)
Tensile Strength (28 days)	Psi (N/mm <sup>2</sup> )	55 (0.38)
Elasticity Moduli	Psi (Mpa)	652.000 (4500)
Vapour Permeability	Gr. Air x m <sup>2</sup> x hour	0.85
Whiteness Index	Y	61.41

**Granulometry:** EF-3.5 granulometry from #23 (0.08mm) for fine joint work and smooth finish coats. Available in a wide range of colors.

**Packing:** 35 kg. (77 lbs.) bags

**Consumption:** Approx. 7.32 sq yards per bag at 1/8" thickness

**Preparation:** Mix for about 5 minutes

## Water Addition:

EcoMortar EF-3.5 – 1.6 gallons (6 liters) – 1.7 gallons (6.5 liters) per bag of 77 lbs. (35 kg.)

## Application:

On clean and dry background not water proofed. Dampen adequately dry or high suction surfaces. Do not apply at temperatures below 40°F (5°C) or above 85°C (30°C). Protect against rain, frost, wind or sun for several days until sufficient hardening has occurred.

The above details are given for information purposes only. Final dosages and application should be checked with our technicians. The Factory reserves the right to alter specifications.