



St. Astier Limes and Mortars

EcoMortarTM

Premixed natural hydraulic lime mortars for building, rendering and finishing coats in a variety of colours

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

Eco-friendly characteristics:

- High vapour exchange qualities
- Produced with lower energy than cementitious mixes
- Re-absorption of CO² in curing
- Will not deteriorate timber
- Possibility of recycling the materials used in building
- Elimination of painted finishes



See: [COLOUR CHART](#)

Mechanical characteristics Type C construction grade – Type F Finishing grade (Medium waterproofing) – Type WP/NHL3.5 (Maximum waterproofing)

		EcoMortar C & F With NHL 3.5	EcoMortar C & F with NHL2 and WP with NHL 3.5
Dry bulk density	kg/m ³	1400	1400
Compressive strength 7 days	N/mm ²	1.2	1.0
28 days		1.9	1.5
90 days		3.6	3.0
Elasticity Moduli	MPa	5000	4000
Vapour Permeability	g.m ² .hour.mmHg	0.85	0.89 WP = 0.85
Capillarity Type C and F	g.m ² .min ^{-1/2}	1 – 2	2 – 3
Type WP			0.2



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Granulometries (maximum grain size):

EF = 0.8mm TF= 1.3mm F= 1.8mm M= 2.5mm

Type WP only available in EF and TF.

Range:

C Grade	F Grade	WP Grade
ECOMORTAR C NHL3,5 EF 020	ECOMORTAR F NHL3,5 EF 020	ECOMORTAR WP NHL3,5 EF 020
ECOMORTAR C NHL3,5 TF 020	ECOMORTAR F NHL3,5 TF 020	ECOMORTAR WP NHL3,5 TF 020
ECOMORTAR C NHL3,5 M 020	ECOMORTAR F NHL3,5 M 020	
ECOMORTAR C NHL2 EF 020	ECOMORTAR F NHL2 EF 020	
ECOMORTAR C NHL2 TF 020	ECOMORTAR F NHL2 TF 020	
ECOMORTAR C NHL2 M 020		

Available in a wide range of colours.

When used as a finishing coat make sure that the backing coat is straight, dry and sufficiently hard to accept the finishing coat.

For **Roughcast** and **Harling** coarser granulometries are available on special order (G4= 4mm and G5= 5mm).

Packing: 35 kg. Bags

Shelf life: 12 months in dry storage conditions. Re-seal partly used bags immediately.

Preparation: in ordinary drum mixers (mix for about 5 minutes)

Water addition: EcoMortar **C grade** : 4.0 litres - 4.5 litres per bag of 35 kg. EcoMortar **F and WP grade** : 4.5 litres - 5.0 litres per bag of 35 kg.

Application: on clean and dry background not water proofed. Dampen adequately dry or high suction surfaces. Protect against strong rain, frost, drying wind or direct strong sun until sufficient hardening has occurred.

This document is for general information only and does not constitute a specification