



Manufacturer and supplier of traditional and environmentally-friendly building materials.



ECOMORTAR®
SUSTAINABLE PURE LIME MORTARS

TECHNICAL DATA SHEET

ECOMORTAR® R50

PREPARATION / RESURFACING PLASTER
INTERNAL USE

THE BENEFITS

- + BONDS WITH LOW ABSORPTION SUBSTRATES
- + HIGH ELASTICITY
- + FINE BASE PLASTER FOR SMOOTH FINISHES
- + LOW SHRINKAGE



**20
KG**

**BS EN
998-1**

SUITABLE FOR

- > Internal use only.
 - > Waterproofed surfaces, painted surfaces, metal, masonry, terracotta, plasterboards, drywall, cement renders, insulation boards.
- Before applying, always make an adherence test on a small area.
For stronger adherence, use EcoMortar® R100.

PACKAGING

- > 20 kg bag
- > 56 bags per pallet (1T120 pallet)

PRODUCT COMPOSITION

Dry mix mortar made with Saint-Astier® lime.

SHELF LIFE & GUARANTEE

One year from production date if protected in the original packaging and stored in dry conditions.
Manufacturer civil Responsibility.





ECOMORTAR® R50

PREPARATION / RESURFACING PLASTER



PERFORMANCE

ESSENTIAL SPECIFICATION	EcoMortar® R50	Units
Dry density	1,200 to 1,400	kg/m ³
Water retention	86 to 90	%
Shrinkage	< 1	mm/m
Compressive strength at 28 days	4 to 5	MPa
Thermal conductivity	0.76	W/(m.K)
Elasticity modulus	6,000 to 8,000	MPa
Vapour permeability	0,71	g/(m ² .hour.mmHg)
Capillarity	0,8 to 1	g/(m ² .min ^{-1/2})
Bonding strength	> 1	MPa

MIXING

Mix for 4 to 5 minutes with a whisk mixer (450 to 500 rpm). High-speed mixers (more than 500 rpm) are not recommended as they can over-mix the product and modify its performance. Manual mixing is not recommended.

WORKING TEMPERATURE

Not below 8°C or above 30°C. Dampen the substrates the day before and prior to application, allow the surface water to be reabsorbed. Avoid rapid drying due to high temperatures by covering and curing with a light water mist as necessary. Reseal open bags as soon as possible.

WATER ADDITION

4.25 to 4.75 litres per 20kg.

CONSUMPTION/THICKNESS

1.6kg per mm of thickness per m².
Maximum thickness: 10mm per coat.

HEALTH & SAFETY

Consult safety data sheet for each product before use. Find more information at stastier.co.uk/working-with-ecomortar/. Special care should be taken to prevent dust from becoming airborne. The use of ventilation and wet methods are recommended. Always use appropriate safety equipment (gloves, mask, safety shoes...).

