



**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.

by

 **SAINT-ASTIER**  
LIME, LIFELONG EXCELLENCE



### PERFORMANCE

ESSENTIAL SPECIFICATION	EcoMortar® R50	Units
Dry density	1,200 to 1,400	kg/m <sup>3</sup>
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 <sup>2</sup> .hour.mmHg)
Capillarity	0,8 to 1	g/(m <sup>2</sup> .min <sup>-1/2</sup> )
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 m<sup>2</sup>.

**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/](http://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...).

