

Product Data Sheet: Prompt Mortar

9/09/2014

A pre-mixed, fast setting lime based mortar for building, pointing and rendering.

General Information

Prompt Mortar is a dry, pre-mixed mortar made with natural hydraulic lime and Prompt Roman cement.

Benefits:

- Walls breath (vapour permeability);
- Low shrinkage (reduction in cracks);
- Excellent adhesion;
- Maintains the mortar's low modulus of elasticity (better resistance on a soft support);
- Warm natural colour (light ochre); and
- Fast set, allowing work to continue in adverse conditions.

Packaging

Available in 25 kg bags.

Coverage

Repointing: 20kg m² stonework; 7kg m² brickwork.

Per 1m³ of wet mortar to 1200-1800 bricks.

If rendering, one 25 kg bag will cover 1.25-1.4 m² at a 10mm thickness.

Surface Preparation

Before pointing or building, clean and remove all dust and loose material from joints and masonry, and adequately dampen dry or high suction surfaces.

How to Mix

Slowly add 25 kg of Lime Green Natural mortar into a drum mixer. Add only 4 to 5 litres of clean water. Pour the water in slowly as the product mixes, using just enough to achieve the correct workability. Mix for 3 to 10 min. Prompt is not re-workable. Please contact us for further information.

How to Apply

Pointing and building mortars should be finished the same day or the following day in cooler periods. Lime mortars require longer curing times than cement, but the methods and principles of application are similar. When pointing or laying hard impervious masonry and / or during damp cool weather lime mortars may take a few weeks before being fully able to resist frosts. Do not use in temperatures less than 5 °C or over 30°C.

Curing and Why

Prompt Lime mortar does set rapidly, however as with hydraulic lime, strength and long term durability are achieved over months, not days. Success relies on proper curing of the mortar. Protect the mortar against the effects of drying winds, strong sunlight, rain and frost. In warm weather gently mist spray with water after application and cover if required with damp hessian sheets. In cold weather cover fresh mortar with protective sheeting to help avoid frost damage.



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Performance

Product Type	Result	Standard Info
Compressive strength N/mm ² 28 days	1 to 3 N/mm ²	EN 1015-11
Set time @ 20°C	20-60 minutes	
Resistance to Freeze/Thaw sulphates	High	
Elasticity moduli MPa	4000-6000	
Vapour exchange Gm air x m ² x hour x mmHg	0.65-0.75	
Capillary water absorption kg (m ² .min ^{0.5})	<1.0	

Declaration of Ingredient	
+20%	Silica sand and Limestone sand
1% to 20%	Natural Hydraulic Lime and Prompt Roman Cement.
0.1% to 1%	Clay, Tallow (from animals)
Below 0.1%	Cellulose (from plants) Air entrainer (man made)
Other	None

Health and Safety	
Risk Phrases	Safety Phrases
R36/37/38 Irritating to eyes, respiratory system and skin	S22 Do not breathe dust
R66 Repeated exposure may cause skin dryness or cracking	S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S24/25 Avoid contact with skin and eyes
	S36 Wear suitable protective clothing

This is not a specification. Trials should be undertaken on old surfaces & backgrounds to ensure compatibility. Lime mortars and plasters do not set or perform like gypsum or cement based materials