Lime Green Ashlar Mortar

2/8/12

A traditional lime mortar available in a wide range of colours. For building or pointing fine joints in brick or stone. Easy and convenient to use - just add water.

5/3/13

General Information

Lime green Ashlar Mortar is a traditional lime mortar made with St Astier natural hydraulic lime, stone dust and sand, to give a highly flexible, soft breathable mortar. This mortar is generally suitable for joints of between 3 and 6mm, for both renovation and new build, and only requires the addition of water. Our mortar is available wide range of beautiful colours; please ask for a colour chart or sample.

Packing and availability

Available in 25 kg paper sacks. All colours are made to order.

Yield

Mix ratio: approx 2:1 sand: lime by volume
Fresh bulk density: 1750kg/m^3 +/-100kg
Yield: approx 65 to 75 bags per m^3 of mortar

Mixing

Add full bags of ***Lime Green Ashlar Mortar*** into a drum mixer. Avoid creating excessive dust. Add approximately 5 litres of clean water. Pour the water in slowly as the product mixes, using just enough to achieve the correct workability. Mix for between 3 to 10 minutes. ***Lime Green Ashlar Mortar*** may be reworked up to 8hrs after adding water. Please contact us for further information.

Application

Before pointing or building clean down and remove dust and loose material from joints and masonry. Adequately dampen dry or high suction surfaces to prevent rapid water loss from the mortar. 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 ºC or over 30ºC.

Curing

Hydraulic lime starts to set once water is added and also hardens by reacting with carbon dioxide, which is a slow process. Prevent rapid drying by protecting the mortar against the effects of drying winds, strong sunlight, rain and frost with mortar fleece or hessian. In warm weather gently mist spray with water after application and cover if required with damp hessian sheets. In cool weather cover fresh mortar with protective sheeting to help avoid frost damage. Do not allow freshly mortar to freeze after laying until it has dried and gained strength.

Further information available upon request.

Product Data

Typical Performance

Type	Test Method	Typical result
Compressive Strength @ 28 days	EN1015-11	1 to 3 N/mm^2
Compressive Strength @ 91 days		3 to 5 N/mm^2
Flexural Strength @ 28 days	EN1015-11	0.25 to 0.5 N/mm^2
Bending Modulus @ 28 days		~200N/mm^2
Dried Bulk Density	EN1015-10	1450 to 1650 kg/m^3
Reaction to Fire		Class A1
Min setting temp		5°C & rising
Water absorption	EN1015-18	1.0 to 2.0 kg/(m^2.min $^{0.5}$)

CE

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EN 998–2

Prescribed General Purpose (GP) masonry mortar for external use

Proportion of Constituents (by volume):
Natural Hydraulic Lime: 1 Part
Aggregates: 2 Parts
Contents of chloride: NPD
Water absorption: 1.5 kg/(m^2.min$^{0.5}$)
Water vapour permeability: μ 5 / 20
Reaction to fire: Class A1
Thermal Conductivity: (λ10,dry) *P* =50%: 0.47 W/mK
P =90%: 0.54 W/mK
Durability (against freeze-thaw): evaluation based on provisions valid in the intended place of use of the mortar.

Full declaration of ingredients

20%+	Silica sand Natural Hydraulic Lime (NHL 3.5)
1% to 20%	Stone Dust
0.1% to 1%	Clay Mineral pigments (optional) Tallow (from animals)
Below 0.1%	Cellulose (from plants) Air entrainer (man made)
Others;	None

Health & safety

Risk Phrases

R36/37/38 Irritating to eyes, respiratory system and skin

R66 Repeated exposure may cause skin dryness or cracking

Safety phrases

S22 Do not breathe dust

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. Sample bags are available for trials or checking colour etc. Please contact us.