9/09/2014

Lime Green Natural Stipple is a breathable, premixed render and plaster for preparing difficult to coat masonry backgrounds, such as smooth stone or masonry with high or low suction.

General Information

Natural Stipple will prepare the wall to be rendered with additional adhesion where internal or external masonry walls are very smooth or highly porous, allowing for the wall to be ready for the next coat of lime plaster or render by keeping the lime on the wall and not the floor.

Packaging

Available in 25kg bags.

Coverage

Approximately 1.7kg per mm of thickness over 1m². One 25kg bag will cover approx. 3m² at 4 to 5mm thick. This does not include any allowance for wastage.

Surface Preparation

Remove dust, surface contaminants and loose or friable existing render/plaster. Consolidate where necessary. Do not apply PVC or other waterproof elements and do not apply to a painted wall (ensure downspouts are not leaking on to the substrate).

How to Mix

One 25kg sack will need approximately 4 to 5 litres of clean water. Mixing should be carried out in a drum or forced action mixer. When using a mixer, mix for 10 minutes, if using a mechanical whisk, mix for 2 to 3 minutes, stand for 10 minutes and then mix once more before application. Use within 30 minutes, do not re-work the mix.

How to Apply

Always carry out a trial to ensure compatibility. Make sure you cover up surrounding area. There are several application methods. Thrown, troweled, and sprayed on with a hopper gun. Make sure you apply around 5mm in thickness, leaving the surface rough. The finished appearance should look similar to 'roughcast'. Please see the relevant video for further advice. This can be downloaded from the Lime Green website.

Apply either Lime Green Ultra or Duro¸ as undercoats to build out and level. Lime Green Natural Finish or Solo can be used as finish coats once the backing coats have had sufficient time to cure: generally 3 days depending on conditions.

Curing and Why

The prevention of drying out too quickly is the key to the success of the application. Lightly spray the base coat if it is too hot or drying out too quickly. In addition, protect from harsh weather conditions, for example, frosts, rain and direct sunlight. The use of damp hessian, fixed to the wall can slow down the drying out process and provide protection from adverse weather conditions.

Performance

Test	Result
Compressive strength @ 28 days N/mm²	2 to 3 N/mm² (CS II)
Flexural Strength	0.5 to 1 N/mm²
Fire class	A1
Total organic content	≤0.25%

Full declaration of ingredients	
20%+	Natural Hydraulic Lime, sands and aggregate
1% - 20%	Prompt
≤1%	Cellulose, citric acid, clay and tallow

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

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Lime Green Products Ltd
Coates Kilns, Stretton Road, Much Wenlock, TF13 6DG

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EN 998–1:2010

General Purpose rendering/plastering mortar (GP)

Reaction to fire:	Class A 1
Adhesion:	0.9N/mm2 FP: b
Capillary Water absorption:	W0
Water vapour Permeability coefficient.	≤15
Thermal conductivity λ10, dry [W/mK]	P=50% 0.83

Durability: (against freeze/thaw):   evaluation based on provisions
valid in the intended place of use of the mortar.

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