



# A1 LIME PLASTER

## NATURAL PLASTER LIME ADMIX FOR CEMENT MORTAR PLASTERING

### USES

1. For restoration of historical buildings
2. Lime putty, when blended with sand aggregates and stone dust will create lime mortars and renders, and when diluted makes lime washes.

### FEATURES

- Odorless
- Breathable cement mortar mixture
- Natural lime-based product
- Environmentally friendly

### APPLICATION METHOD

#### 1. Recommended Cement Lime Mortar Formula

**A1 Plaster Lime : Cement : Sand (by volume of A1 Plaster & Cement)**  
**1 : 1 : 3 - 5**  
**Coverage: 0.5 kg / 1 m<sup>2</sup> / 3 mm thick**

\*The above recommended formula is a general guideline in accordance to the ASTM C270 standard. It is not possible to provide a specific formula for various site conditions.

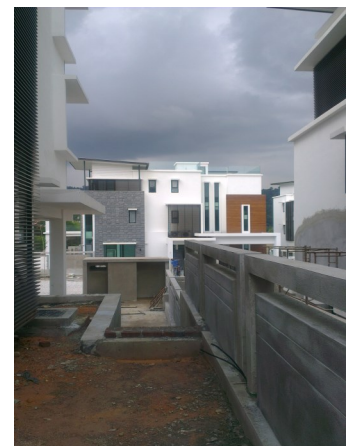
#### 2. Recommended Fine Coating Formula

**A1 Plaster Lime (by volume) : Cement (by volume)**  
**1 : 2 - 5**  
**Coverage: 0.5 kg / 1 m<sup>2</sup> / 3 mm thick**

\*All Fine Coating must be applied only when mortar is nearly 90% dry. This method cannot be applied on dry walls.

### SAFETY PRECAUTIONS

- Splash proof goggles, work boots or clothing are recommended.
- PVC or rubber gloves are required during prolonged use.



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### TECHNICAL DATA

- Appearance: White putty
- Odor: Odorless
- pH: 12 (Highly Alkaline - can cause burns)

TYPICAL PROPERTIES	SIRIM STANDARD	TEST RESULTS
Air Content	Max 15%	2.60%
Water Penetration	Min 90% (w/w)	97.76% (w/w)
Plasticity	Min 200 (ASTM C207 - 91)	471.4
Penetration	20 - 50	46
Density	1.2~1.4kg/dm <sup>3</sup>	1.274kg/dm <sup>3</sup>
Compressive Strength as a Mortar	Min 5.2N/mm <sup>2</sup> (curing: average 28 days)	15.2N/mm <sup>2</sup>

CHEMICAL PROPERTIES	UNIT	SPECIFICATION	TEST RESULTS	METHOD
CaO + MgO	%(w/w)	Min. 85 (BS 890 : 1995)	97.6	BS EN 196-2 :1995
MgO	%(w/w)	Max.7 (BS 890 : 1995)	3.01	BS EN 196-2 :1995
SO <sub>3</sub>	%(w/w)	Max.2.5 (BS 890 : 1995)	0.67	BS EN 196-2 :1995
CO <sub>2</sub>	%(w/w)	Max.6 (BS 890 : 1995)	1.39	BS EN 459-2 :1995
Free Water	%(w/w)	45~70 (BS890 : 1995)	60.51	BS EN 459 - 2 : 1995
Density	kgdm <sup>3</sup>	1.2-1.4	1.274	
Fineness	%(w/w)	All pass 2mm	100%	BS EN 459 - 2 : 1995
		Max. 5% on 600µm	0.35	
Soundness		Test passed (BS890:1995)	PASS	
Air Content	%	Max.15 (BS890 : 1995)	2.6	BS EN 459 - 2 : 1995
Penetration	mm	20~50(BS890 : 1995)	46	BS EN 459 - 2 : 1995
Water Retention	%(w/w)		97.76	BS EN 459 - 2 : 1995
Plasticity		Min.200 (ASTM C207-91)	471.4	ASTM C110-98

### PACKING 8-kg bag



#### Disclaimer:

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