

# Technical Data Sheet

## EM 500



### Veneer Mortar Natural

#### Product description

EM 500 Veneer Mortar Natural is a graded sand, cement and additive dry mixed product for use as a Clay and Concrete Masonry Veneer for Residential and Commercial applications. EM 500 Veneer Mortar Natural consists of:

- 3 parts by volume of dried graded sand to comply with NZS 3103
- 1 part by volume General Purpose Portland Cement complying with NZS 3122, 3123 or 3125
- Percentage of property enhancing additives in conjunction with NZS 3113

#### Usage

- Concrete Brick Veneer
- Clay Brick Veneer
- Pave Bedding

#### Mixing Information

As a guide EM 500 Veneer Mortar Natural requires approximately 14% water.

Add 3.3 – 3.5 litres of water into the mixer and slowly add the EM 500 Veneer Mortar Natural. It is important not to over mix the mortar, EM 500 requires no more than 5 minutes mixing time in the mixer.

1 x 25kg bag = 3.3 – 3.75 litres of water

#### Note:

Water added must be clean potable water. Water demand can vary slightly due to seasonal conditions.

#### Board Life

Under normal conditions EM 500 Veneer Mortar Natural has a 30 – 40-minute board life, additional water can be added if necessary, to keep the mortar at the desired consistency. It is important not to add water to mortar that has started to stiffen, mortar that is more than 1 hour old should be discarded instead of remixing with water as the final compressive strength will be compromised.

#### Advantages

- Just add water
- No additives required
- Minimises waste
- No mix variance compared to site mix mortar
- No colour variance compared to site mix mortar

#### Quality Control

EM 500 Veneer Mortar Natural is manufactured to specification in New Zealand by Nu-Age Plaster Ltd utilizing automated weighing and batching equipment in conjunction with a strict quality control regime, the manufacture process of this product is guaranteed.

#### Additional Data

It is very important to protect freshly laid mortar from rain or showers, to protect bricks from rain or showers prior to installation and to ensure that the mortar is consistently finished at the same time and too not "over tool or under tool" the mortar joint as all of these can cause discolouration to the mortar.

#### Storage

Shelf life is at least 12 months when stored in original, unopened bags.

#### Availability

In 25 kg bags, 40 bags per pallet.

#### Legal Notices

The information provided in this document is based on our technical knowledge and experience at the present time. It must be regarded as a general guideline only. Owing to the large number of potential influences, it does not relieve anyone using or processing our products from the responsibility of carrying out their own tests and experiments.

Nor does it imply any legally binding assurance of certain properties or that our products are fit for a specific purpose. Responsibility for complying with any property rights, applicable laws or other requirements lies solely with the user. This datasheet invalidates any previous datasheets.

Technical specifications	
Brick Veneer Dimensions D X W x H	
70 x 76 x 230	33 – 39 bricks per 25kg bag
70 x 162 x 290	36 - 40 bricks per 25kg bag
70 x 119 x 230	43 – 49 bricks per 25kg bag
90 x 76 x 230	30 - 33 bricks per 25kg bag
Application Temperature	+ 5 °C to + 30 °C
Outdoor application	Yes
Indoor application	Yes
Compressive Strength	≥8 MPa after 28days – Complies with BRANZ study report 258
Working Time	1 – 2 hours
Mixing Ratio - 25 kg bag	25kg bag + 3.3 – 3.75 litres water
Colour Range	Natural, Antique White, Premium White, Antique Cream, Cream, Light Brown, Dark Brown, Charcoal, Jet Black

