

Technical Data Sheet



EM 520

Structural Mortar

Product description

EM 520 Structural Mortar is specifically designed for any masonry work where a minimum compressive strength of 12.5MPa is required from the mortar. EM 520 Structural Mortar complies with NZS4210; 1989 for masonry construction.

Usage

- Block Laying
- Brick Laying
- Stone & Rock Walls

Mixing Information

As a guide EM 520 Structural Mortar requires approximately 14% water.

Add 3.3 – 3.5 litres of water into the mixer and slowly add the EM 520 Structural Mortar. It is important not to over mix the mortar, EM 520 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 520 Structural Mortar 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 520 Structural Mortar is manufactured to specification in New Zealand by Ezymix Ltd utilizing automated weighing and batching equipment in conjunction with a strict quality control regime, the manufacture process of this product is guaranteed.

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	
Coverage Rates	
25 Series Block	16 – 20 Blocks per 25kg bag
20 Series Block	18 – 22 Blocks per 25kg bag
15 Series Block	21 – 25 Blocks per 25kg bag
Compressive Strength	≥12.5 MPa after 28 days
Application temperature	+ 5 °C to + 30 °C
Outdoor application	Yes
Indoor application	Yes
Working Time	1 – 2 hours
Mixing Ratio - 25 kg bag	25kg bag + 3.1 – 3.5 litres water
Colour Range	Jet Black, Charcoal, Natural, Premium White

