

# MasterEmaco® T 288

## Rapid setting trafficable repair mortar

### MATERIAL DESCRIPTION

**MasterEmaco T 288** is a one component concrete repair and anchoring mortar which sets in 30 minutes and will accommodate rubber-tyre traffic 2 hours after placement. This product can be used indoors and outdoors for highway and heavy industrial repair jobs.

### AREAS OF APPLICATION

- Bridge deck and highway overlays
- Concrete pavement joint repairs
- Airport runway light installations
- Full depth structural repairs
- Expansion device nosings
- Anchoring steel bridge and balcony railings
- Commercial cool room repairs
- Loading dock repairs
- Parking deck and ramp repairs
- Heavy industrial repairs

### CHARACTERISTICS AND BENEFITS

- **Wide temperature application range** – suitable for Asia Pacific climates from very hot to very cold
- **Rapid strength gain** – fast return to service only 2 hours
- **Chemically resistant** – unaffected by deicing salts
- **Thermal expansion/contraction rate similar to concrete** – suitable for freeze thaw conditions
- **Minimal drying shrinkage** – long term volume stability and stability of patch
- **Cement colour** - patches have texture and look of concrete

### PROPERTIES

| Typical Compressive Strengths – MPa<br>AS2073 Part 10 (Modified) |      |
|--|------|
|  | 23°C |
| <b>2 hour</b>  | 20   |
| <b>1 day</b>   | 40   |
| <b>7 days</b>  | 50   |
| <b>28 days</b>   | 65   |
| Flexural Strength  |      |
| <b>1 day</b>   | 8    |
| <b>28 Days</b>   | 10   |

The performance data is typical and based upon controlled laboratory conditions. Actual performance on the job site may vary from these values based on actual site conditions.

### APPLICATION

#### Surface preparation

Surfaces should be structurally sound, clean, and free from loose particles, oil, grease, cement laitance, mold release agents, curing membranes, and other contaminants must be removed by wet grit blasting, high pressure water jetting (approx. 150 bars) or such other effective methods.

To obtain permanent type repairs the edge of the patch should be square cut and to a depth of not less than 10mm.

#### Priming

The prepared area should be presoaked for 2 hours with clean water prior to application. No special primer is required but a slurry coat of the **MasterEmaco T 288** 1:1 with water will give a higher bond. **MasterEmaco P 157** can be used as an alternative.

#### Mixing

Add all the water to a clean bucket and add the **MasterEmaco T 288** and mix for approximately 2 to 3 minutes to an 80 to 100mm slump mortar and move into place using a trowel. For deep sections (more than 300mm in depth) clean 5-10mm aggregate can be added at a rate of up to 10 kg per 20 kg bag of **MasterEmaco T 288**. **MasterEmaco T 288** can be pumped but given the short setting time only moderate quantities can be applied before cleaning of the pump will be required.

### CURING

Like all cementitious products **MasterEmaco T 288** benefits from curing and the use of **MasterKure 250** is recommended alternatively you could use clear plastic.

### ESTIMATING DATA

A 20kg bag of **MasterEmaco T 288** mixed with 2.6-3 litres of clean water will yield approximately 10 litres of mortar.

| MasterEmaco T 288 |                                 |                |                      |                              |
|-------------------|---------------------------------|----------------|----------------------|------------------------------|
| L                 | Thickness in mm /m <sup>2</sup> | m <sup>3</sup> | bags /m <sup>3</sup> | m <sup>2</sup> /mm thickness |
| 10                | 10mm                            | (0.010)        | 100                  | 10 m <sup>2</sup>            |

### CLEANING

Clean tools and equipment with water, before the **MasterEmaco T 288** hardens.

### PACKAGING

**MasterEmaco T 288** is packaged in 20kg moisture resistant bags.

# MasterEmaco<sup>®</sup> T 288

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### SHELF LIFE

**MasterEmaco T 288** has a shelf life of 6 months.  
 Store out of direct sunlight, clear of the ground on pallets protected from rainfall.

### PRECAUTIONS

For the full health and safety hazard information and how to safely handle and use this product, make sure that you obtain a copy of the Safety Data Sheet (SDS) from our office or website.

## DISCLAIMER

MasterEmaco-T288-ANZ-V9-1220

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| <p><b>MB Solutions Australia Pty Ltd</b><br/>         ABN 69 634 934 419<br/>         11 Stanton Road<br/>         Seven Hills NSW 2147</p> <p><b>Freecall: 1300 227 300</b><br/> <a href="http://www.master-builders-solutions.com/en-au">www.master-builders-solutions.com/en-au</a></p> | <p><b>MB Solutions New Zealand Ltd</b><br/>         45C William Pickering Drive<br/>         Albany, Auckland<br/>         New Zealand</p> <p><b>Freecall: 0800 334 877</b></p> | <p><b>Emergency Advice:</b><br/>         1300 954 583 within Australia (24hr)<br/>         0800 001 607 within New Zealand</p> |
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