

## Rapid setting grout

### DESCRIPTION

**Masterflow 926** is a rapid setting natural aggregate fluid grout for repair of concrete surfaces.

### RECOMMENDED FOR

- Fast repairs when a fluid repair is required.
- Small section concrete floor repairs where minimum shutdown time is desired and the floor must be back in service in 3-4 hours
- Raising manhole frames to new grade level for an asphalt overlay
- Anchor bolt grouting

### FEATURES AND BENEFITS

- **Rapid high early and ultimate strength development (approximately 25 MPa after only 2 hours) for minimum traffic shutdowns**
- **An economical, easily workable grout developing high compressive and flexural strengths with an excellent bond to concrete, thus assuring a dense, durable repair**
- **A packaged ready-to-use product requiring only the addition of potable water for mixing**

### PROPERTIES

Supply form	grey powder
Layer thickness	12-30mm
Water added per bag	approx.2.2-2.3 L
Specific gravity mixed	2.3kg/L
Applic. temp. of substrate (min.)	7°C
Expansion	Positive
Compressive Strength(Typical)	
1 hour	17Mpa
2 hours	29Mpa
4 hours	33Mpa
1 day	34MPa
after 28 days	60MPa
Flexural Strength(Typical)	
after 28 days	7.0MPa

### APPLICATION

To achieve best results, divide area to be repaired into 1m<sup>2</sup> sections, square cut edges and chip to sound and clean concrete. Leave concrete rough, then blow clean of dust and debris.

Saturate properly prepared substrate with water for minimum of 3 hours then blow off any standing water.

For each 20kg bag of **Masterflow 926** pour approximately 2.2-2.3 litres of clean water (depending on desired consistency) into a suitable pail. While stirring, mechanically, add the powder and continue to mix for at least 3-4 minutes until the grout is homogeneous and lump free.

Place, screed and finish as a continuing process. Do not exceed 30mm thickness. Refer to MBT Technical representative for advice on thicknesses greater than 30mm.

**Note:** **Masterflow 926** has a working time of approximately 10 minutes, therefore mixing, placing and finishing operations must be carefully planned to handle the mix without delay. Mix small test batches under site conditions and observe working time before mixing larger batches in mixer.

### POT LIFE

**Masterflow 926** has a working time of approximately 10 minutes @ +20°C. The use of iced water will extend working time in warm conditions.

### CURING

Apply fine spray of water as soon as surface has hardened and cannot be marred with a trowel. Repeat as needed to keep the surface wet for one hour or until area is opened to traffic. Wet hessian may be used instead of water spraying. After wet curing, apply a suitable MBT curing compound. In hot, arid, or windy conditions, ponding is advisable.

### CLEANING

Uncured **Masterflow 926** may be removed using water. Cured material may only be mechanically removed.

### ESTIMATING DATA

One bag of **Masterflow 926** yields 9.7m<sup>2</sup> at 1mm thickness.

### PACKAGING

**Masterflow 926** is packaged in 20kg moisture resistant multi wall bags.

### SHELF LIFE

**Masterflow 926** can be stored in unopened original bags for 6 months if kept dry and at moderate temperatures.



## PRECAUTIONS

**Masterflow 926** is not toxic, but as with other products containing portland cement it has an alkaline nature and thus can be irritating to skin and eyes. Wear simple dust masks and gloves when handling. Keep out of reach of children. Wash off splashes of grout with clean water. If irritation persists, seek medical advice.

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## STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this MBT publication is based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability of completeness either expressed or implied is given other than those required by Commonwealth or State legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.

## NOTE

Field service where provided, does not constitute supervisory responsibility. Suggestions made by MBT either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not MBT (Australia) are responsible for carrying out procedures appropriate to a specific application.

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