

# MasterFlow<sup>®</sup> 926

Cementitious rapid setting general purpose construction grout

## DESCRIPTION

**MasterFlow 926** is a rapid setting natural aggregate fluid grout for repair of concrete surfaces. **MasterFlow 926** is normally placed at a flowable consistency to completely fill voids between 12mm and 30mm.

## RECOMMENDED USES

- Fast grouting and repair applications where a fluid repair and/or exceptionally high early strength 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
Layer thickness	12-30mm
Water added per bag	Approx. 2.2 – 2.3 litres
Mixed density	2300kg/m <sup>3</sup>
Application temperature of substrate (min)	7°C
Expansion	Positive
Compressive Strength (typical)	
1 hour	17 MPa
2 hours	29 MPa
4 hours	33 MPa
1 day	34 MPa
28 days	60 MPa
Flexural Strength (typical)	
28 days	7.0 MPa

## 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 BASF Technical Sales 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 a 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 BASF 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.



The Chemical Company

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## ESTIMATING DATA

One bag of **MasterFlow 926** yields 9.7 litres (0.0097m<sup>3</sup>) or 9.7m<sup>2</sup> at 1mm thickness.

## PACKAGING

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

## SHELF LIFE

**Masterflow 926** has a shelf life of 6 months when stored in a cool dry environment.

## PRECAUTIONS

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

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### STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this BASF publication are 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 or completeness either expressed or implied is given other than those required by law. The user 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 BASF either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not BASF, are responsible for carrying out procedures appropriate to a specific application.

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