

MasterFlow[®] 525

Pre-bagged, flowable, pumpable, non-shrink, non-segregating, impermeable grout

DESCRIPTION:

MasterFlow 525 is a ready to use product in powder form, which requires only the on-site addition of water to produce a non-shrink flowable grout.

APPLICATIONS:

MasterFlow 525 is formulated for use as pumpable free flow grout for post tensioned and pre stressed cable ducts. It is also used with confidence for grouting and void filling operations such as void filling between old and new concrete or pipes, and fixing anchors or bolts in concrete or rock.

ADVANTAGES:

- Pumpable in vertical and overhead grouting.
- Shrinkage compensated.
- Controlled expansion without producing undue pressure against sides in confined areas.
- Maintains high water retention.
- High flowability with reduced water content.
- Increased strength and good bond to concrete.
- Reduced bleed water.
- Improved impermeability.

TYPICAL PROPERTIES:

Compressive strength : @ 28days: (ASTM C – 109)	65N/mm ²
Bleed :	Min or no bleed
Fluidity (BS EN 445):	18 seconds at 25°C
Fresh Wet Density (kg/l):	2 approx
Controlled Expansion (BSEN 445):	Up to 2.5% (no effect on structure)

PACKAGING:

MasterFlow 525 is supplied in 20kg bags.

MIXING:

Use approximately 6.5 – 7 litres of chilled water (4-5°C) per 20 kg bag of **MasterFlow 525**. Add water into the mixer and then powder to the water gradually while the mixer is on. Mix for approximately 5 minutes or until a uniform lump free consistency is achieved.

The use of ice cold water will facilitate ease of workability, avoids segregation and maintains flow retention in hot weather conditions of the Middle East.

For best results ensure that **MasterFlow 525** bags are stored in air-conditioned room at least 24 hour prior to application in order to maintain a material temperature between 18 and 25°C.

A slow speed drill fitted with a high shear mixer is suitable for quantities up to 60 kg. In case of large quantities it is recommended to use high shear vane mixer.

PUMPING:

MasterFlow 525 can be poured for cabling, bedding, jointing, void filling applications using gravity and the flowing properties of the grout to completely fill the gaps.

For pumping **MasterFlow 525** flowable mix, pour the mixed grout into the pump hopper and start pumping.

It is essential that the area to be grouted should be flooded with water several hours before grouting. Before the start of grouting operation, any free water should be removed.

YIELD:

Approximately 13.3 litres per 20kg bag.

STORAGE

Store **MasterFlow 525** out of direct sunlight, clear of the ground on pallets protected from rainfall. Avoid excessive compaction. Do not use if the bag is damaged or has been opened for more than 1 month.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult BASF representative in your area.

MasterFlow[®] 525

PRECAUTIONS

As with all chemical products, care should be taken during use and storage of **MasterFlow 525** to avoid contact with the eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried).

Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use.

NOTE:

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF representative.

BASF reserves the right to have the true cause of any difficulty determined by accepted test methods.

QUALITY AND CARE

All BASF Products are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health and safety standards of ISO 9001 and BASF ESHQ recommendations.

REQUEST AND REFER TO RECOMMENDED
INSTALLATION PROCEDURES FOR
MASTERFLOW[®] GROUTS PRIOR TO USE

* Properties listed are based on laboratory controlled tests.

® = Registered trademark of the BASF-Group in many countries.

BASF-Saudi_03/2010 rev_04_2017

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.

Saudi BASF for Building Materials Co. Ltd.

P.O. Box 1884, Al Khobar, KSA

Tel: +966 13 8538600, Fax: +966 13 8328671

www.master-builders-solutions.sa