



انظمة تشطيب
Finishing Systems

FILLING GROUT FG150

PRODUCT DESCRIPTION

DMC FG150 is a premixed grey masonry filling and grouting material for the shrink-free filling of hollow concrete blocks, filling of gaps and spaces behind walls. FG150 is a M15 masonry grout and suitable for all interior and exterior heavy load-bearing and partition areas. FG150 is developed for the harsh Middle East climate conditions and optimized for the latest automatic conveying and mixing machines.

TYPICAL APPLICATIONS

DMC FG150 is used primarily for the shrink-free filling of hollow concrete blocks, filling of gaps and spaces behind walls up to 15N/mm² compressive strength.

FEATURES & BENEFITS

- Excellent workability
- Guaranteed load values for heavy load bearing walls
- Formulated for machine mixing and pumping

APPLICATION PROCEDURE

Preparation:

Remove all foreign objects, dirt or loose material. Sufficiently dampen all surfaces that will come in contact with FG150 using sweet water only.

Mixing instructions:

Add 25KG of FG150 to 4.3L of cool, clean and salt-free water. Mix to a uniform lump free consistency ideally with a mixing machine at slow speed. DMC recommends to use FG150 with an automatic mixing machine Duo-Mix to enhance mixing quality and increase productivity. FG150 can be pumped with all common mortar pumps.

Application instructions:

Completely fill all areas with FG150, vibrate larger spaces (fill in layers for high volumes) and pack material with a trowel into tight gaps.

Curing:

During rapid drying conditions such as hot climate, cover surface with plastic or hessian and keep damp with clean water for 3 days.

APPLICATION TEMPERATURE

Do not use material below 5°C.

Disclaimer: All data is derived by approved testing methods and application experiments under laboratory conditions. Deviations are possible under practical conditions.

COMPOSITION

Binder:	Grey cement Hydrated lime
Aggregates:	Graded sand (max. grain size 4.0mm)
Additives:	Organic polymers to improve consistency and workability

SUBSTRATES

Blockwork, concrete, red brick,
natural and artificial stone

APPLICATION

Mixing ratio:	4.3L per 25KG
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TYPICAL PROPERTIES

Appearance:	Grey Powder
Bonding strength:	>0.1N/mm ²
Colour:	Grey
Compressive strength:	>15N/mm ²
Consumption per m ² :	1.82kg/mm
Flexural strength:	>3N/mm ²
Mortar class:	M15 EN 998-2, ASTM C270 Type S
Shrinkage:	<3mm/m
Yield: approx.	550L/Ton

CONFORMITY

ASTM C231/C-91	SASO EN 998-2
ASTM C109/C109M-16a	ASTM C305-14
ASTM C348-14	ASTM C1506
ASTM D4541	

FIRE CLASSIFICATION

A1, 100% noncombustible (EN 13501-1)



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FILLING GROUT FG150

LIMITATIONS OF USAGE

- Always add material to the water.
- Do not re-temper mixed material.
- Do not mix with any other material.

TECHNICAL INFORMATION

Consult the DMC Technical Services Department for specific recommendations concerning all other applications. Visit the DMC website www.dmc-mix.com for additional information about products, systems and for updated literature.

SAFETY PRECAUTIONS

As with all building products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eye and skin immediately. If accidentally ingested, seek immediate medical attention. Use in well ventilated areas. Avoid inhalation of dust when using powdery products. Wear suitable protective gloves, safety goggles and respiratory protection mask.

STORAGE

Store out of direct sunlight, clear of the ground on pallets protected from rainfall. Avoid excessive compaction. Shelf life is 9 months for all dry mortar products and 3 months for all liquids. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult DMC's Technical Services Department.

PACKAGING

- 25KG bag
- 1,800KG jumbo bag
- Silo (check availability in your area)



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NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local DMC representative. DMC reserves the right to have the true cause of any difficulty determined by accepted test methods.

QUALITY & CARE

All products originating from DMC Saudi Arabia are manufactured under conformity to the requirements of the quality, environmental and occupational health & safety standards of the above mentioned SASO, ANSI, ASTM, ISO and DIN EN norms.

DISCLAIMER

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labor involved in the application are beyond our control. All data is derived by approved testing methods and application experiments under laboratory conditions. Deviations are possible under practical conditions. As all DMC technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.

