

PRODUCT INFORMATION

SPECIFICATIONS

complies with the following standards:
CRD C 621, Corps of Engineers
Specification for Non-Shrink Grout.
ASTM C 1107, Standard Specification
for Packaged Dry, Hydraulic-Cement
Grout. British Standards for
compression, bond and flexural

PACKAGING

VYFLOW MC is supplied in 25 Kg packs.

COVERAGE

The approximate yield of 25 Kg packs
12.5:13 Lit.

SHELF LIFE

12 months if stored in original unopened
packs.

STORAGE

VYFLOW MC should be stored in clean
ground over plastic or wooden pallets
out from direct sun light and moisture at
temperature between +5°C to +35°C.

DESCRIPTION

VYFLOW MC is designed for critical use where high strength, non-staining characteristics and positive expansion are required.

VYFLOW MC contains only natural aggregate and an expansive cementitious binder which will be applicable for thickness till 400 mm. It is extremely flowable. When cured, it appears like concrete in appearance.

TYPICAL APPLICATIONS

VYFLOW MC is formulated to be used where micro-concrete grouting
system is required for the following:

- Generators.
- Pumps & fans.
- Anchor bolts.
- Steam turbines.
- Crane rails.
- Machine basis.
- Precast systems (walls – beams).

FEATURES

- Easy usage, just water addition.
- Excellent bearing.
- Shrinkage compensated system.
- Suitable for high thickness.
- Excellent bond to steel & concrete.
- Early strength.
- High flowable to be used in narrow voids.
- Contain graded aggregates which reduce segregation.
- Chloride free

TECHNICAL PROPERTIES

VYFLOW MC is tested under laboratory conditions @ 23°C:

- Compressive strength are tested according ACTM C 109 . The results are by (N/mm²).

PROPERTY	PLASTIC	FLOWABLE	
WATER ADDITION/25KG	2.80 lit.	3.125 lit.	
EXPANSION CRD 621	0.02 %	0.01 %	3 DAYS
	0.02 %	0.03 %	7 DAYS
	0.03 %	0.05 %	28 DAYS
COMPRESSIVE STRENGTH	32	24	1 DAYS
	46	34	3 DAYS
	58	45	7 DAYS
	65	55	28 DAYS
APPEARANCE	grey powder		
S.G	2.20 kg/lit.		
INITIAL SETTING TIME	3:5 hrs		
FINAL SETTING TIME	5:7 hrs		
*RECOMMENDED LAYER THICKNESS UP TO 400 mm			

INSTRUCTION FOR USE

• Surface Preparation

Surfaces to be grouted should be clean and free from rust, grease or oil. Determine work schedule and method of placing grout, then prepare strong, properly braced and oiled forms to retain the grout and provide relief holes, if needed. Saturate the area to be grouted with water until it is uniformly damp and remove excess water just before placing the grout.

• Mixing

Small quantities may be mixed with a drill and "jiffy" mixer. Use a paddle type mortar mixer for large jobs. All materials should be in the proper temperature range of 10°C to 40°C. Add the appropriate amount of clean, potable water for the batch size and then add the dry grout. Mix for a minimum of 2 to 3 minutes. The mixed grout should be quickly transported to the grouting site and placed immediately.

• Placing

Pour grout immediately after mixing after ensuring the formwork which assist flow to large areas. **VYFLOW MC** sets more rapidly than plain mortars; therefore, place quickly and continuously. If placing this product in hot weather, the use of cold water will increase the working time.

• Curing

Proper curing procedures are important to ensure the durability and quality of the grout. Cure the grout using **VYKURE V 101**.



CLEAN UP

Clean tools and equipment with water immediately following. Clean drips with water while still wet. Dried **VYFLOW MC** will require mechanical abrasion for removal.

PRECAUTIONS

- Do not add anything but potable water.
- Do not add water in an amount that will cause bleeding or segregation. More or less water may be required to achieve a 25 second flow or the desired placing consistency, depending on temperature and other variables.
- Do not remember with additional water after the mixture has started to set.
- Do not add admixtures or fluidities.
- Do not add sand or cement to the grout since this action will change its precision grouting characteristics.
- Do not aerate the mix.
- Use appropriate cold and hot weather grouting procedures per ACI guidelines as the temperature dictates.
- Proper curing practices must be used.
- Apply at temperatures (4°C) and rising.
- In all cases, consult the Safety Data Sheet before use.

TECHNICAL SUPPORT

For any technical support, please consult **VYCON** office or visit our website <http://www.vycon-eg.com>

HEALTH AND SAFETY

Take precautions to avoid inhalation of spray mist and contact with skin and eyes. wear suitable protective clothing gloves, eye protection. if skin comes in contact it should be washed with fresh water and soap. eyes contact should be cautiously washed with fresh water. the product non toxic and non hazardous according to health and safety codes.



WARRANTY: **VYCON CONSTRUCTION CHEMICALS** warrants that; (1) its products will perform substantially in accordance with the accompanying written materials for a period 1 year from the date of receipt. (2) The product will be free from defects in materials and workmanship under normal use for 1 year. In case of any product fails to conform to this warranty, **VYCON** will replace the product with no cost to the client. **VYCON** doesn't authorize anyone to make any written statement which may change the installation information or instructions of the product data. The wrong installation of the product which fails to conform to the instructions shall void the warranty.