

## PRODUCT INFORMATION

### SPECIFICATIONS

VYFLOW O complied with ASTM C 1107.

### PACKAGING

VYFLOW O will be packaged 25 kg in plastic sack.

### COVERAGE

yields 13 liter dry mortar per bag 25 kg

### SHELF LIFE

12 months if stored in original unopened packs.

### STORAGE

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

## DESCRIPTION

VYFLOW O is a ready-to use cementitious grout requires only adding water on site to produce high strength, non shrink, free flowing and expanding mortar.

VYFLOW O is a cement based with polymers and carefully selected aggregates and fillers.

## TYPICAL APPLICATIONS

VYFLOW O is used for grouting such :

- Anchor of bolts and steel bars in concrete
- Grout under general concrete structure support
- Filling gaps and voids in concrete repair
- Bridge bearing pads and beams
- Grouting under machines, bridges and cranes
- Precast and pre stressed panels

## FEATURES

- Multi-purpose applications
- Non-shrinkage
- Free flowable
- Water impermeable
- Early strength
- Water and oil resistant
- Non toxic
- Chlorine and sulfate free

## TECHNICAL PROPERTIES

FORM	Powder
APPEARANCE	grey
DENSITY	2.00 ± 0.1 kg/l
COMPRESSIVE STRENGTH	39 N/mm <sup>2</sup> after 3 days cured 47 N/ mm <sup>2</sup> after 7 days cured 50 N/mm <sup>2</sup> after 28 days cured
FLEXURAL STRENGTH	14 N/mm <sup>2</sup> after 28 days cured
BOND STRENGTH	2 N/mm <sup>2</sup> (to concrete)
INITIAL SETTING TIME	4-5 hours (depends on the atmosphere temperature)
CHEMICAL RESISTANCE	water, oils, fuels and mineral salts 10 %
LAYER THICKNESS	10 mm to 120 mm
CONSISTENCY ON MIX	3 – 3.25 liter water per bag flowable 2.75 – 2.9 liter water per bag trowellable

## INSTRUCTION FOR USE

- Concrete substrate must be dry, sound and free from contamination such dirt, grease and oils
- Place the water dosage into clear container ( water/powder ratio 0.12 for flowable consistency and 0.10 for trowellable consistency )
- Step by step add powder and mix using electric drill with (300-500 rpm) till homogeneous consistency achieved
- Pour from one direction to avoid air bubbles
- For concrete structure repair use VYBOND as bonding material and VYPROTECT ZR for steel corrosion repair
- Recommended VYKURE V101 as a curing compound to ensure ultimate curing
- All tools should be cleaned with water after use

# VYCON



## CLEAN UP

Clean all tools and application equipment with water immediately after use.

## PRECUATIONS

- Wear gloves while working.
- Do not add sufficient water to promote bleeding of the grout.
- Do not add any admixture.
- Proper curing is required.
- Do not use material at temperatures that may cause premature freezing.
- Rate of strength gain is significantly affected at temperature extremes.
- Employ cold or hot weather grouting practices per ACI guidelines as the temperature dictates.
- Add pea gravel when placing at a thickness greater than 5" (12.7 cm).

## 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.