

# Flow GF

Cement-based, grout and anchoring mortar



## Product description

Marlon Flow GF is an easy-flowing, cement and polymer-based ready mixed dry mortar product to which you only need to add water. Marlon Flow GF develops strength quickly and with its admixture has an extraordinary peel adhesion to the substrate. In hardened form, it is tension-free, corrosion-inhibiting and chloride resistant. Frost and weather resistant.

## Benefits

- Develops strength quickly
- Easy-flowing
- Polymer-modified
- Increased adhesion
- Tension-free
- Expands in the plastic phase
- Only requires added water

## Areas of application

Marlon Flow GF is easy-flowing and is therefore well suited to the vertical cementing of metal items such as bolts, reinforcement rods, threaded rods etc. in concrete, brick and granite. The product can also be used for grouting and repair jobs.

## Pre-treatment

In order to ensure the best possible adhesion to the surface/object, it must be clean of dust, oil, grease, cement slurry and other loose particles. Highly absorbent surfaces must be moistened to create a uniform, matt surface with low absorbency.

## Mixing

Marlon Flow GF is mixed with a low-speed drill with a two-blade mixing impeller attached. Cold mixing water is poured into a bowl/pail, after which the powder is added while continuing to stir the mixture. Mix thoroughly for at least 3 minutes until a lump-free, easy-flowing consistency is achieved.

## Application

The ready-mixed mortar is used immediately after mixing. Marlon Flow GF should be used under normal circumstances at 20°C within approximately 20 minutes. Keep stirring the mass throughout the entire cementing process. Lower temperatures extend and higher temperatures shorten the processing and hardening times.

## Aftercare

Open surfaces should be protected against drying out too quickly where there are draughts, high temperatures and when exposed to sunlight with Marlon Curing B75. During the winter months, protect the mortar against extreme night frost, strong winds etc. (using winter mats, if necessary) during the first 24 hours of curing.

## Limitations

Casting should not take place in temperatures lower than +5°C. The product cannot tolerate frost during the curing and setting period.

## Cleaning

Tools are cleaned with water immediately after use. Hardened Flow GF can only be removed mechanically.

## Inspection

Marlon Flow GF is subject to internal controls in accordance with Marlon's quality assurance system. Subsequent measuring and mixing at the site of application is not included in the quality control.

# Product information

## Manufacturer

Marlon Tørmørtel A/S  
Virkelyst 20  
8740 Brædstrup

## Material type

Cement based grouting and anchoring mortar.

## Filler material

Oven-dried and sorted silica sand (Dmax) 0.5 mm.

## Additives

Polymer, plasticising and stabilising additives.

## Added water

19-21 % of dry powder weight (3.4-3.8 l per 18 kg).

## Yield

10 l liquid mortar per 18 kg/sack.

## Layer thickness

2-30 mm. Guideline.

## Cement type

Portland cement. CEM I 52,5 N (LA).

## Application time

Approx. 20-30 minutes.

## Storage

Min. 12 months in dry and suitable conditions in unopened packaging.

## Packaging

18 kg plastic sack.

## Technical data

Technical data	Value	Method
Compressive strength, 1 day	> 20 MPa	DS/EN 12190
Compressive strength, 7 days	> 45 MPa	DS/EN 12190
Compressive strength, 28 days	> 55 MPa	DS/EN 12190
Bending tensile strength, 7 days	> 8 MPa	DS/EN 12190
Bending tensile strength, 28 days	> 10 MPa	DS/EN 12190
Air content	1-3%	DS/EN 1015-7
Density	2100 kg/m <sup>3</sup>	
Chloride content	< 0,01 weight%	
Chromate content	< 2 mg/kg cement	DS/EN 1015-17

## Information

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## EN 1504-3

1073-CPR-171-01  
Concrete repair product for construction repairs. CC mortar, based on hydraulic cement.

Compressive strength	> 45 MPa class R4
Chloride content	≤ 0,05%
Adhesion	≥ 2,0 MPa
Carbonatization	Passed
Elastic modulus	≥ 20 GPa
Thermal compatibility	Del 1 ≥ 2,0 MPa
Capillary absorption	≤ 0,5 kg x m <sup>-2</sup> x h <sup>-0,5</sup>
Hazardous substances	In accordance with section 5.4
Fire-resistance	Class A1



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## EN 1504-6

1073-CPR-171-03  
Concrete repair product for the anchoring of reinforcement rods.

Tensile strength	Moving < 0,6 mm at a load of 75 MPa
Chloride content	≤ 0,05%