

Fibre Modified Mortar

## DESCRIPTION

TamCrete FM is a non-shrink, cement based, high strength mortar which is specially formulated with the addition of micro synthetic fibre for use in critical mortar / screeding operations where positive expansion, impact resistance and abrasion resistance are required.

## KEY BENEFITS

- > Positive expansion to ensure effective contact and support.
- > Improved resistance to impact and abrasion over standard mortars.
- > Good workability and high build to allow ease of application.
- > Rapid strength development to ensure minimal downtime.
- > Reliable factory controlled quality formulations eliminating site batching errors, formulated for use in Asian conditions.
- > High ultimate strength and low permeability giving long-term durability.
- > Contains monofilament polypropylene fibres.
- > Iron-free eliminating staining or deterioration due to rust expansion.
- > Chloride-free permitting use in contact with reinforced steel.

## TYPICAL APPLICATIONS

TamCrete FM is designed to apply on concrete or masonry substrates as high strength, non-shrink cementitious renders and screeds. It provides heavy duty support to subsequent finishing or it can be used alone as load bearing screed. TamCrete FM can be used as high strength concrete repair mortar.

## TECHNICAL DATA

TamCrete FM	
Density (Mixed)	2.2
Setting time (BS 4550:78)	Initial > 1 hour Final < 4 hours
Volume change @ 28 days (ASTM C827:87)	0 - 3%
Slant shear bond strength (BS 6319:84)	> 2.0MPa
Compressive Strength	
24 hours	49.0 MPa
3 days	67.0 MPa
7 days	73.5 MPa
28 days	77.0 MPa

All technical data stated herein is based on tests carried out under laboratory conditions.

## APPLICATION GUIDELINES

Please contact our Normet representative for detailed information on the application of TamCrete FM.

The water content to achieve the desired consistency is as follows:

### Mixing Guideline

Water Content (litre / 25kg of TamCrete FM)	
Temperature	Consistency Trowellable
30°C	Approx. 3.6 litre

## YIELD

The yield of TamCrete FM depends on the required consistency. The approximate yield per 25 kg is:

Consistency	Approximate Yield
Trowellable	13 litre

Note: Allowance should be made for water when estimating.

## STORAGE

TamCrete FM should be stored at room temperature (min 10°C and max 38°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of one year can be expected.

## HEALTH & SAFETY

TamCrete FM should only be used as directed. We always recommend that the Safety Data Sheet (SDS) is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. The Safety Data Sheet is available upon request from your local Normet representative.

Whilst any information and/or specification contained herein is to the best of our knowledge, true and accurate, we always recommend that a trial be carried out to confirm suitability of the product. Please note regional climatic conditions may cause a variation in the performance of the product. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives, agents or distributors. The information in this data sheet is effective from the date shown and supersedes all previous data. Please check with your local Normet office to confirm that this is current issue.