



## F50 EASY SCREED

### PRODUCT DESCRIPTION

**OPTIMIX F50 EASY SCREED** is a good quality premixed cementitious mortar specially designed for granolithic screed and floor screed. Provide a level, hard-wearing and long lasting surface. Formulated to be low shrinkage to minimize the formation of surface cracking. For overcome common problems of the exiting ready-mixed floor screed or site-mixed sand/cement screed including slow drying time, dusting, cracking and debonding.

### TYPICAL USAGE

- Floor screed for leveling rough and uneven concrete floor.
- High strength concrete.
- Internal and external application

### FEATURES AND BENEFITS

- Consistent quality
- Simple and easy to use
- Improve surface finish
- Efficient operation
- Reduce risk of delamination
- Better application control
- Environmental friendly



## TECHNICAL DATA

Product Characteristics	OPTIMIX F50
Compressive Strength at 3 days	65 MPa
Compressive Strength at 28 days	75 MPa
Bond Strength to Concrete at 28 days	2 MPa
Wet Density	2300 kg/m <sup>3</sup>
Typical Mixing Water	4.4 – 5.2 liters
Coverage	1.9 kg/mm/m <sup>2</sup>
Packaging	40 kg
Shelf Life	6 months

*Note: The above are typical laboratory test results and can vary slightly depending on the ambient and substrate conditions during application.*

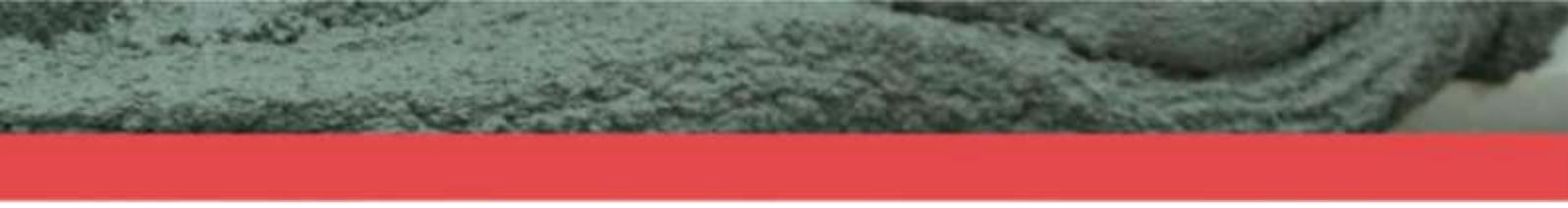
## TESTING METHODS

Compressive Strength	BS 6319 : Part 2
Bond Strength to Concrete	HKHA/MTS (2000), Part D 2.1.15

*Note: The tests were performed according to the national standard or in-house modifications of the corresponding testing procedures*

## SURFACE PREPARATION

Substrate must be clean, free from loose particles, oil, grease and other contaminants. It is recommended to pre-wet the substrate with potable water overnight or before application if the weather or surface is under a very dry condition. In case that enhancement of the adhesion properties is needed, it is recommended to treat the substrate surface with diluted **OPTIMIX SF80 Primer** and let the primed substrate becomes touch dry or tacky.



## **MIXING AND APPLICATION**

Mix one bag of **OPTIMIX F50** dry material with 4.4 – 5.2 L potable water. Mechanical mixing with slow speed drill fitted with a suitable paddle or mixer with auger conveyor is recommended. Slowly add the dry material into the desired amount of water while the mixer is in operation. Mix the mixture for about 5 minutes or until a lump-free homogenous mix is achieved, and the mortar is ready for application. The mixed mortar should be spread and laid to position within the working life which is dependent upon ambient temperature and relative humidity. The surface can be finished with a wooden float or steel trowel where appropriate and the levelness of finished surface is largely dictated by the technique of laying application.

## **CURING**

Under normal condition, natural air curing is considered adequate while water spray or moist curing can further minimize the shrinkage and maximize the strength development.

## **HEALTH AND SAFETY**

**OPTIMIX F50** is alkaline in nature and can cause irritations to persons with sensitive skin. Avoid inhalation of dust and contact with skin and eyes. Wear suitable protective gloves and masks while handling the product. If contact with eyes, rinse immediately with plenty of clean water and seek medical advice. This product is non-toxic and is not flammable.

## **STORAGE**

Store in the original unopened bags on pallets with plastic wrapping under dry conditions. Store out of direct sunlight, clear of ground on pallets protected from rainfall. Avoid excessive stacking of pallets. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.



**Important Note:** The information contained herein is, the best of our knowledge, true and reliable and is supported by the present state of our knowledge. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives as the conditions of use and any labour involved are beyond our control.



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