

Kimitech FMR

ST5-0221

Metallic reinforcement fibers for mortars and grouts

DESCRIPTION

Rigid amorphous metal fibers, with high carbon content, not subject to corrosion even in aggressive environments, in the presence of lime or gypsum mortars and in environments with low pH.

USES

Kimitech FMR is used for the construction of non-shrink mortars or grouts for extradossal consolidation operations on floors and vaults.

It allows to improve the ductility of the system; to withstand tensile stresses due to plastic and hydraulic shrinkage reducing cracks; it improves the mechanical resistance to compression, bending and traction, to shocks, dynamic loads and wear; reduces macro-cracks and micro-cracks.

APPLICATION

Kimitech FMR must be mixed. The correct dispersion depends on the methodology and the mixing time used.

CHARACTERISTICS

Kimitech FMR fibres are corrosion resistant (chlorides and sulphates).

Characteristics	Typical value
Specific weight	7,2 Kg/dm ³
Tensile strength	> 3100 MPa
Length	13 mm
Width	0,2 mm
Aspect ratio	L/D 65
Shape of fiber	Straight
Minimum elongation	>1% ± 10% tolerance

CONSUMPTION

Read the related technical data sheets.

PACKAGING

Box 20 Kg

STORAGE

Kimitech FMR must be stored in a sheltered and dry place

WARNING

Product intended for professional use.

The information and requirements indicated in this Technical Data Sheet are based on our current knowledge and experience and are to be considered, in any case, purely indicative. They cannot guarantee the final result of the applied product and they have to be confirmed by exhaustive practical applications; therefore the user must test the suitability of the product for the intended application and its purpose. Users must always refer to the latest version of the local technical data sheet related to the product.