

GTS - MK



An easy & effective way to control cracks



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Polypropylene Fiber MK



Properties

With the rapid development of economy and urban construction and enlarged scale of industrial and construction, the requirement to technical disposal of building surfaces is much higher than before.

On the basis of improving body's engineering design constructing quality. Improving the surface quality, like roof of building and wall and floor, becomes a crucial task to the construction field. So on the basis of successfully developing polypropylene fiber for concrete and polyester fiber for bitumen and in view of some technical problems existing in constructing field, we sums up experiences and develops cracking existence reinforced fiber for cement paint (using in plastering).

These fibers can improve quality of building's wall and flooring, and supply a new technical measure to reduce crack, so it has a good economic value.

APPLICATIONS:

1. Function:

- Resist to shrink & crack
- Increase seepage resistances
- Increase friction resistance
- Increase freezing & thawing resistances
- Replace steel net (using in plastering)
- Improve tendons protection
- Prevent mortar split and crackle expansion
- Increase impact resistances and peeling resistances

2.The feature of polypropylene Fiber MK:

A). No agglomeration and easily spread around in mortar or concrete. Guarantee the property of crack resistance effectively

B). Apply conveniently. No need to change the proportion of mortar, and just put the fibers into the mortar mixture and stir for moment after adding water.

C). Has fine economic property. The equivalent dia. Of polypropylene Fiber MK is only 0.02mm, so the ratio of dia. And surface is high and on the basis of crack resistance, it can reduce the amount (0.6 kg/m³) and cut down the cost effectively.

D). Be better to plaster. Because a great number of thin fibers spread into mortar evenly, so the plastering is much easier and this can improve the binding strength between surface and base.

E). The fiber has stable chemical property, strong acid & alkali resistance, and can be used in any engineering projects.

3. Suitable Engineering for polypropylene Fiber MK:

A). Be suitable for the water-proof layer, floor, inner & outer wall of industrial and construction.

B). Increase cracking resistance on the surface of industrial workshop, warehouse and parking lot.

C). Increase cracking & seepage resistance of the ground in natatorium, swimming pools, pond and ditch.

D). Be suitable for any mortar projects and fine aggregate concrete projects.

4. Applying Instruction:

A). Compound Amount. To resist the common cracks on surface, 0.6 kg/m³ fibers to cement paint are enough, and for reinforced application 0.9 - 0.8 kg/m³ are enough.

B). Stirring requirements. The proportion of cement, sand and aggregate is no need to be changed. Put cement, aggregate, additive and fiber together, then stir after adding enough water (Do not stir without water!) and time for stirring can be prolonged for 2-3 minutes in order to make the compound mix completely.



PACKING

Normal packing is 0.9kg a PE bag, and 18kgs/20bags in a carton. Also can be made as per customer's request.

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POLYOLEFIN FIBRE

PROPERTIES TYPE MK

SPECIFIC GRAVITY	0,91 g/cm
LENGTH	4-6-8-12-18 mm
FIBER DIAMETER	19,8 (3%) μ
CRIMP	0 crimp/cm
TENSILE STRENGTH	400 / 500 MPa
ELASTIC MODULUS	7 / 9 Gpa
FINISH	Hydrophilic and high cohesive
FIRE	The material is not "flammable" as defined in Art.2 of the EEC Dir. N°.67/458, but is combustible; it burns slowly.
DURABILITY	Excellent resistance to chemical