



M-MACRO PLUS

LEVEL 1

LEVEL 2

LEVEL 3

LEVEL 4

PRODUCT FEATURES

- Enhances durability, fatigue and flexural performance
- Provides secondary reinforcement with equal strength to WWM & light rebar
- Three dimensional reinforcement to prohibit cracking
- Alkali resistant & non-corrosive
- Reduces in place costs
- High impact resistance and wear resistance
- 4 times the macro fiber count

APPLICATIONS

- Slab-on-grade
- Precast concrete (thin wall application such as septic tank & burial vaults)
- Shot-crete (tunnel linings, slope stabilization, & pool construction)
- UTW (Ultra-thin White Toppings)
- Paving & elevated deck concrete applications
- Other specialty applications

BENEFITS

M-Macro Plus fiber added to concrete mechanically locks in the fresh concrete matrix, controlling cracking. M-Macro Plus provides secondary reinforcement for WWM and light rebar replacement which eliminates crack formation that causes permanent weakening of the concrete. With M-Macro Plus, concrete is more durable, fatigue resistant, adds flexural toughness and is highly impact resistant and improves your Bottom Line.

MIXING

Follow ASTM C-94 guidelines. M-Macro Plus can be added directly to the mix at the jobsite or during batching of ingredients, but not as the first ingredient and should be mixed for a minimum of 5 minutes at full mixing speed.

PACKAGING

3lb , 4lb or 5lb bag
10 bags/case

DOSAGE RATES

Dosage rates will vary and there is usually an ARS (Average Residual Strength) requirement that needs to be met. Dosage rates can range from 3.0 lb per cubic yard (1.8 kg per cubic meter) to 20.0 lb per cubic yard (12 kg per cubic meter). M-Macro Plus fiber complies with ASTM C 1116, Standard Specification for Fiber Reinforced Concrete and Shotcrete.

FINISHING

M-Macro Plus can be placed with several methods such as; chute, pumping or shotcrete. It can be finished with a hand trowel, power trowel, laser screed or broom finished. A slight slump loss will occur with a 3-5 lb dosage and larger doses will give a greater slump loss. (See recommendations).

PHYSICAL PROPERTIES

Material	100% Virgin Polypropylene
Specific gravity (g/m ³)	0.91
Fiber Configuration	Conforming: Crimped
UV Resistance	Excellent
Absorption	Nil
Chemical & Alkali Resistance	Excellent
Color & Type	Natural - White
Dispersity Rate	Excellent
Fiber Length (mm)	38 & 50mm
Melting Point	320° F (160°C)
Ignition Point	1094° F (590°C)

QUESTIONS? CONTACT US!

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