

Product Data Sheet

DUROCRETE™ MACRO POLYPROPYLENE FIBERS

PRODUCT INFORMATION



Durocrete Macro uses heavy-duty synthetic fibers specifically engineered for use as secondary reinforcement, providing excellent plastic shrinkage control and reduced settlement cracking. Durocrete Macro provides increased flexural toughness and increases shatter and abrasion resistance, improving the concrete's long-term durability and integrity. Properly engineered and dosed, Durocrete Macro can be an alternative for all types of welded wire fabric, conventional light & medium gauge steel reinforcement, depending on the application.

TECHNICAL INFORMATION



Material	_____	100% virgin polypropylene
Grade	_____	HP565K
Melt flow	_____	3.5
Specific gravity	_____	0.92
Melt point	_____	170 °C
Diameter	_____	0.65 mm ± 2 %
Fiber length	_____	45 mm
Strength	_____	550 + Mpa
Acid resistance	_____	excellent
Alkali resistance	_____	excellent

DOSAGE

For Concrete: upto 5 kilograms / cu. mtr. (minimum) when used as secondary reinforcement. The ratio of fiber and concrete can be determined by tests for special purposes. The fiber has better effects on the concrete with active compound materials, such as silicon ash, coal powder and ground slag.

MIXER

Universal batch mixer or Double-axle horizontal compelling mixer can be used.

STORAGE

Store in a dry area.



APPLICATIONS



We recommend that gloves and eye protection be used when handling fibre.