

# MasterFiber® PP 12

Fine Monofilament Polypropylene Fibre

## DESCRIPTION

**MasterFiber PP 12** is a fine mono-filament fibre which significantly reduce plastic shrinkage cracking and explosive spalling of concrete during fire.

## RECOMMENDED USES

- Shotcrete.
- Precast
- Slabs on ground

## FEATURES AND BENEFITS

- Enable binding of concrete in the early curing stages to maximizing crack control
- Significantly reducing any increase in moisture pressure with the concrete structure during fire
- Uniquely designed and packaged allowing to be evenly dispersed through the matrix, ensuring that no balling or pumping problems occur.

## FEATURES AND BENEFITS

Material	Polypropylene 9003-07-0>99
Grade	Hp555k
Odor	Odorless
Specific Gravity	0.91
Melt point	150°-170°C
Viscosity	>100PaS at 170°C 1001/s
Fiber length	12mm
Alkali Resistance	Excellent
Colour	Milky White
Electrical Conductivity	Low
Moisture Content	0.0%
Fibers per kg	110 million fibres

## APPLICATION

The recommended dosage rate of **MasterFiber® PP 12** is 0.9-2.0kg/m<sup>3</sup>. Entire packages are thrown into the mix allowing for easy handling leaving no waste on site.

Allow 3 to 5 minutes at mixing speed for fibres to disperse evenly throughout matrix. **MasterFiber® PP 12** can be added to the mix at any stage during batching

## PACKAGING

**MasterFiber® PP 12** is available in various packaging depending on the application requirement – fibers wrapped in water soluble plastic pucks (parallel packed) in biodegradable boxes.

## STORAGE

**MasterFiber® PP 12** should be stored undercover and protected from the weather.



We create chemistry

# MasterFiber<sup>®</sup> PP 12

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**MasterFiber\_PP 12 HK v1-0414**

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