

MasterFiber[®] 155

Macro structural synthetic polypropylene fiber

DESCRIPTION

Masterfiber 155 is a macro structural synthetic polypropylene fiber which generates a very high energy absorption rate when used in the matrix for shotcreting, enabling the concrete to provide greater flexural toughness.

FIELDS OF APPLICATION

- Shotcrete
- Precast
- Slabs on ground

FEATURES AND BENEFITS

- Non-corrosive – making it an excellent reinforcing in harsh environments
- Generates a very high energy absorption rates when used in the concrete mix for shotcreting, enabling the matrix to provide greater flexural toughness
- Uniquely designed and packaged allowing to be evenly dispersed through the matrix, ensuring that no balling or pumping problems occur.

TECHNICAL DATA

Material	100% virgin polypropylene
Grade	hp565k
Melt flow	3.5
Specific Gravity	0.92
Melt point	170°C
Fiber length	55mm
Width Mean	1.2820mm
Thickness Mean	0.45333
Strength	550 + MPa min
Alkali Resistance	Excellent
Fiber Type	Embossed
Grasp Force between the fiber and cement	550+ MPa

APPLICATION

The recommended dosage rate of **Masterfiber 155** is 5-10kg/m³. 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 fibers to disperse evenly throughout matrix. **Masterfiber 155** can be added to the mix at any stage during batching.

PACKAGING

Masterfiber 155 is available in 5kg boxes – fibers wrapped in water soluble plastic pucks (parallel packed) in biodegradable boxes.

STORAGE

Masterfiber 155 should be stored undercover and protected from the weather.

MasterFiber® 155

® = registered trademark of MBCC group in many countries

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**STATEMENT OF
RESPONSIBILITY**

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