

MasterFiber™ M100

MasterFiber M100 is a unique microsynthetic fiber. There are 225 million 0.75-in. (19-mm) long MasterFiber M100 fibers in one pound (0.45 kg) or 112.5 million fibers in the standard engineering dosage of 0.50 lb/yd³ (0.3 kg/m³) when used as plastic shrinkage reinforcement. This ultra-thin fiber has been engineered to provide the ultimate three-dimensional plastic shrinkage reinforcement.

MasterFiber M100 is a high-tensile strength, high modulus of elasticity, ultra-thin monofilament homopolymer polypropylene fiber designed to quickly distribute uniformly throughout the concrete matrix. At the engineered dosage level of 0.5 lb/yd³ (0.3 kg/m³) MasterFiber M100 outperforms all other plastic shrinkage fiber reinforcements at their typical dosage of 1.0 lb/yd³ (0.6 kg/m³).

Features

- Uniform distribution throughout the concrete matrix
- Excellent finishability
- Excellent reduction in plastic shrinkage cracking
- Transforms macro-cracks into micro-cracks

Benefits

- Measurably reduces plastic settlement
- Measurably reduces the concrete permeability, thus increasing the durability and service life of the concrete
- Performs as an excellent companion in blends with macrosynthetic fibers and steel fibers

MSDS

<http://www.basf-admixtures.com/SiteCollectionDocuments/MSDS/Fibers/MasterFiber%20M100%20US%20sds.pdf>