



Construction Chemicals

Technical datasheet

Fly fiber 101

Monofilament Polypropylene Fibers

Product description

- Fly fiber 101 is a monofilament polypropylene additive fibers to reduce the occurrence of plastic shrinkage and plastic settlement cracking, whilst enhancing the surface properties and durability of hardened cementitious products.
- The fibers are extremely fine, single filaments, measuring 18 microns in diameter, cut to lengths of 3, 6, 12 and 18 mm, in accordance with maximum aggregate size considerations and surface appearance requirements. The fibers are coated with surfactant to improve initial dispersion and bond.

Advantage

- Reduced Plastic Shrinkage Cracks
- Reduced Plastic Settlement
- Reduced Bleeding & Significant lower brittleness
- Alternative to Crack Control Mesh v Reduced Water & Chemical Permeability
- Reduced Explosive Spalling in Fire v Increased Abrasion Properties
- Increased Impact Resistance
- Improved Freeze/Thaw Resistance

Uses

- Internal Floor Slabs
- Water Retaining Structures v Concrete Buildings
- Repair Materials
- External Hard Standings
- Pattern Imprinted Concrete
- Bridges v Precast Concrete
- Fire Resistance
- Extruded Concrete
- Agricultural Areas
- Piling Concrete

Standers

Fly fibers 101 is applicable to the following standers:

ASTM C 1116-97

Technical data

length	3mm-6mm-12mm
diameter	11um-19um
Moisture content	≤0.015
Softness (mm)	80-240
Tensile strength (Mpa)	148:158
Bending strength (Mpa)	200:220
Static voltage half-life (S)	≤ 10

Packaging

Plastic 900 gram.