

ProFiber®-P

Polyester

DESCRIPTION:

ProFiber®-P is an engineered monofilament polyester fiber designed to provide integral secondary reinforcement for concrete.

USES:

ProFiber®-P is chemically inert, it will not degrade in the high alkaline environments of concrete. It can be used in ready-mix concrete and placed using conventional concreting methods. **ProFiber®-P** does not easily segregate from the mix. The addition of **ProFiber®-P** to a concrete mix does not increase water demand. **ProFiber®-P** can help to reduce the quantity of surface bleed water thus leading to greater water retention at early stages of hydration.

APPLICATIONS:

- Residential, commercial or industrial flatwork
- Foundations and walls
- Tanks, concrete pipe, burial vaults

ADVANTAGES:

- Reduces permeability of hardened concrete.
- Controls and eliminates plastic shrinkage cracking, restrains crack growth.
- Provides multi-dimensional reinforcement.
- Reduces segregation, minimizes bleed water
- Improves compression ductility and toughness and resistance to spalling.
- Reduces permeability
- Improves impact, shatter and abrasion resistance.

BATCHING:

ProFiber®-P can be added during or after the charging of the mixer. Mix for 4 minutes or 75 revolutions at mixing speed to assure adequate distribution.

NORMAL DOSAGE:

1.0 lb/yd³ (600 g/m³)

SPECIFICATIONS / COMPLIANCES

- Meets ASTM C 1116 Standard specification for fiber reinforced concrete and shotcrete, type III.

PACKAGING:

ProFiber®-P is packaged in 1.0 lb (0.45 kg), and 5.0 lb (2.25 kg) water dispersible low tear bags.

COMPATIBILITY:

ProFiber®-P is fully effective and compatible in concrete containing all types of Portland cement, class C and F fly ash, calcium chloride, and approved water-reducing, accelerating and retarding admixtures. Batching, placement, finishing and curing procedures.

TECHNICAL NOTE:

Please contact your Premiere Concrete Solutions Specialist for a pre-placement to discuss helpful batching, placement, finishing and curing procedures.

SHELF LIFE:

3 Years in original packaging



ProFiber® -P

Property	Characteristic
Cut length	6mm, 12mm, 19mm
Denier	6 (5-7)
Color	White
Fibers per lb. (at ¾")	30 million
Bulk Density	25-28 lbs./ cubic foot (approximate)
Melting Point, C	246
Tensile Strength	75-79 psi
Elongation	12%
Specific Gravity	1.38
Heat Conductivity	Low
Electrical Conductivity	Low
Water Absorption	0.2%

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