

CON-TROL FIBERS

Integral Reinforcement – ¼” ACRYLIC
For Cement and Gypsum Based Mixes

ADDITIVE CRACK REDUCTION

MANUFACTURER:

Empire Blended Products, Inc.
250 Hickory Lane • Bayville, NJ 08721
(732) 269-4949 • Fax (732) 269-0497
www.empireblended.com

PRODUCT DESCRIPTION:

CON-TROL FIBERS are ¼” strands of modified acrylic. When added to Portland Cement and gypsum based mixes, they dramatically reduce cracking due to shrinkage in base and finish coats, while adding increased flexural strength. CON-TROL FIBERS absorb moisture in the mix and take on whatever color is present, and will not show on finished work.

USES:

- ▶ Secondary reinforcement in concrete, stucco, plaster or masonry mixes
- ▶ In shotcrete, reinforcement and reduction of bounce back

ADVANTAGES:

- ▶ Improves durability
- ▶ Increases impact and shatter resistance
- ▶ Increases freeze-thaw durability
- ▶ Reduces cracking due to shrinkage
- ▶ Reduces permeability
- ▶ Non-hairy surface
- ▶ Provides three dimensional reinforcing
- ▶ Mixes easily, disperses evenly and quickly throughout the mix
- ▶ Will not clog spray guns or pumps, does not decrease flowability of mix
- ▶ Alkali resistant



INSTALLATION:

Surface Preparation:

Follow surface preparation instructions for the product that the CON-TROL FIBERS are being added to.

Mixing:

CON-TROL FIBERS are added to the dry material at the rate of one 2 ounce bag for 300-400 pounds of dry material. Blend dry material to disperse fibers and then add the mixing liquid. Mix to a lump-free consistency to completely blend the CON-TROL FIBERS through the mix. Because CON-TROL FIBERS absorb moisture, adjust amount of liquid in mixes accordingly.

Placement:

Place and finish according to the directions for the product that the CON-TROL FIBERS are being added to.

Curing:

Follow curing instructions for the product that the CON-TROL FIBERS are being added to.

Packaging:

2 Oz. Bag and 100 bags per carton
(5 strips of 20 for display)

Color:

White

SUGGESTED PROPORTIONS:

Each 2 ounce bag of *CON-TROL FIBERS* will treat 300-400 pounds of dry material

TECHNICAL DATA:

| | |
|----------------------------------|-------------------------|
| Filament Diameter | 12-15 Microns |
| Filaments/lb..... | 310 Million |
| Specific Gravity | 1.17g/m ³ |
| Fiber Length | 1/4" inch |
| Tenacity..... | >500 MPa |
| Elastic Modulus | >5.5 GPa |
| Decomposition Temperature | 330° C |
| Acid and Salt Resistance..... | Excellent |
| Alkali Resistance | Excellent |
| Ultra Violet Resistance | Excellent |
| Electrical Conductivity | Low |
| Thermal Conductivity..... | Low |
| Water Absorption/ Concrete | 0.72 oz/yd ³ |
| Concrete Surface | Non-hairy |
| Concrete Air Entrainment | No effect |

LIMITATIONS:

CON-TROL FIBERS are for secondary reinforcement only. They are not intended to replace structural steel. *CON-TROL FIBERS* are not a replacement for wire in stucco or plaster applications.

CAUTION:

No special handling is required.

WARRANTY:

Due to the use of this product beyond our control, we assume no liability for damages of any kind, and the user accepts the product "as is" and without warranties, expressed or implied, from either Empire Blended Products or its agents. The suitability of the product for an intended use shall be solely up to the user. Our only obligation shall be to replace or pay for any material proved defective, with our liability limited to the purchase price of materials supplied by us.