



MICRO SYNTHETIC

Description

FORTA® STUCCO-BOND® is an easy to apply and finish micro synthetic fiber, made of 100% virgin homopolymer polypropylene monofilament. This engineered fiber provides a mini-reinforcing system forming a more cohesive, inner-supported mix that functions as a plastic shrinkage reinforcement intended to reduce the formation of shrinkage cracks prior to initial set. STUCCO-BOND is non-corrosive, non-magnetic, chemically inert, and 100% acid and alkali proof.

Reinforcement Objective

To inhibit concrete cracking caused by plastic that occurs prior to the initial set.

Physical Properties

Specific Gravity	0.91
Tensile Strength	83-96 ksi (570-660 MPa)
Length	0.5 in (13 mm), 0.25 in (6 mm)
Melting Point	319°F (160°C)
Material	Virgin Homopolymer Polypropylene
Form	Monofilament
Color	White
Acid / Alkali Resistance	Excellent
Absorption	Nil

Compliance & Certification

- ASTM C1116 / C1116M-10a, Standard Specification for Fiber-Reinforced Concrete, "Type III Synthetic Fiber-Reinforced Concrete"
- ASTM D7508 / D7508M-10(2015), Standard Specification for Polyolefin Chopped Strands for Use in Concrete
- DUNS: 094214129
- CAGE Code: 0AFN8
- NAICS: 325220

Applications

STUCCO-BOND is used in interior and exterior mortar and stucco applications to control plastic shrinkage cracking while improving basic durability properties. Requires no mix design or placement changes!

Performance Benefits

- Enhance durability
- Reduce plastic shrinkage
- Reduce settlement cracking
- Provide 3-dimensional reinforcement against micro-cracking

Recommended Dosage

This product is typically used at a standard dosage rate of 4 to 6 oz per 100 lb (113 to 170 g per 45.4 kg) of stucco/mortar. Contact FORTA for design assistance and dosage recommendations.

Packaging

	Domestic	International
Bags	1.0 lb	0.6 kg
Cartons	40 bags	30 bags
Pallets	16 cartons/640 bags	12 cartons/360 bags

Recommendations

Addition: STUCCO-BOND is packaged in mixer-ready bags that can be added directly into the concrete mixing system. The fiber should be added during or after batching of the other ingredients – never as the first mix ingredient.

Mixing: When possible, add fibers to a rotating drum. Once all fibers have been added to the batch, mix four to five minutes at standard mixing speed. Road-revolution speed should not be counted as part of the required fiber mixing time.

Slump: Fibers may reduce the visual slump measured by the slump-cone test, but has a lesser effect on flow-ability and workability. To regain any loss of workability or slump, the use of appropriate admixtures is recommended – avoid the addition of water.

Additional Information

Additional information such as the Safety Data Sheet, Certifications, videos and other literature can be found on the forta-ferro.com website. The website also features Project Profiles that show the many applications and benefits of FORTA products first-hand.

Limited Warranty

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The exclusive remedy for defective product is outlined in FORTA's Standard Terms and Conditions of Sale, available upon request. CONSEQUENTIAL DAMAGES ARE SPECIFICALLY EXCLUDED.

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