



MICRO SYNTHETIC

Description

FORTA® PE-2® is an easy to apply micro synthetic fiber, made of 100% virgin copolymer polyethylene, that has been specifically designed and engineered for refractory castable concrete applications. This monofilament fiber provides a mini-reinforcing system forming a more cohesive, inner-supported mix intended to reduce the formation of shrinkage cracks prior to initial set, as well as provide a rapid burnout characteristic in the hardened mass after initial set. PE-2 is non-corrosive and non-magnetic.

Applications

PE-2 is typically used in refractory castable concrete applications to provide early cohesiveness and green strength, and to provide uniform vapor release/burnout channels within the mass during firing. Requires no mix design or placement changes!

Physical Properties

Specific Gravity	0.88 - 0.97
Length	0.25 in (6 mm)
Material	Virgin Copolymer Polyethylene
Form	Monofilament
Color	White
Melting Point	250°F (121°C)

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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Recommended Dosage

This product is used at varying dosage levels to provide satisfactory burnout results for specific application requirements.

Packaging

Bags	1 lb
Cartons	40 bags
Pallets	16 cartons/640 bags

Recommendations

Addition: PE-2 is packaged in mixer-ready bags that can be added directly into the cementitious material mixing system. The fiber should be added during or after batching of the other ingredients – never as the first mix ingredient.

Mixing: Once all fibers have been added to the batch, mix at the time and speed recommended by the mixer manufacturer.