

# SafeTcrete™ PRECAST

Maximum Performance Fiber

## Built In Performance

SafeTcrete™ Precast Structural Fibers are part of a Patent Pending concrete reinforcing system, engineered to increase ductility and flexural performance of cementitious products. They are an ideal component for any precast concrete product. They contribute to a stronger, more durable and lighter weight casting. They may be used with reduced amounts of conventional steel rebar, or in some applications they may completely replace steel rebar.

## Product Benefits

- Increases the force-load energy absorption in concrete, thus its load-bearing capacity under service or design parameters
- Reduces crack-induced fragmentation
- Optimizes concrete's durability and toughness
- Replaces conventional steel in many applications
- Saves time and money while improving performance
- Reduces weight while improving strength
- When used without steel--with or without basalt fiber rebar--increases resistance to rust and corrosion
- Extended lifecycle testing proves no corrosion after twenty years
- Alkali resistant
- Chemical resistant
- Blast and impact resistant
- Mixes well in concrete
- Non water soluble
- Excellent finishability
- Lighter weight can reduce shipping costs



# SafeTcrete™ FIBER

Maximum Performance Fiber

## Product Characteristics

Specific gravity	1.16
Fiber configuration	Bi-component Proprietary coating over plied strands
Fiber length	63.5mm (2.5")
Color	Natural
Alkali Resistance	Excellent
Absorption	Coating: Nil Plied strands: 3 - 5%
Melting point	Coating: Does not melt Plied strands: 220°C (428°F)



## For More Information

SafeTcrete™ Structural Fiber is a Patent Pending, proprietary blend of polymers. For more information about this Structural Fiber System, including impact and compression test data, please contact your SafeTcrete™ representative.

## Applications

Product characteristics lend it to a variety of concrete applications, including: Precast concrete pipes, slabs, jersey barriers, walls, paving, corrosive area placements, blast containment structures and many other specialty concrete situations.

## Dosage Rates

Our engineer will review your cross section drawings and recommend dosage rates that are customized for each of your product castings.

## Mixing

SafeTcrete™ Precast can be added directly to the mix at the casting site or while batching. However, SafeTcrete™ should not be the first ingredient. It should be mixed for a minimum of five minutes at full mixing speed.



SafeTcrete™ Fiber added to mixing conveyor at casting site.