

## *StrucFiber will reduce placement costs over other types of slab reinforcement*

### **Description:**

StrucFiber is a proprietary ready-mixed concrete from CBM, engineered to replace steel fiber, welded wire fabric, and the use of some rebar in most slab on grade applications.

StrucFiber comes ready to use right from the ready-mix plant, ensuring consistent quality. StrucFiber is easy to use and pumps better than steel fiber. Because StrucFiber has 15 times the number of individual fibers that steel fiber concrete has, it provides better crack control.

StrucFiber eliminates the safety risks involved with the use of steel fiber and welded wire fabric.

### **Why use StrucFiber?**

StrucFiber can be designed to handle a wide range of loading profiles without the hassles usually associated with other types of slab reinforcements. The geometry, strength and elastic modules of StrucFiber fibers are optimized to provide superior crack control. With StrucFiber, fibers are uniformly built into the concrete, eliminating a concern over proper positioning of reinforcement. StrucFiber enhances toughness, impact and fatigue resistance and helps control plastic shrinkage cracking.

StrucFiber will save you time and money on your placement and finishing operations.

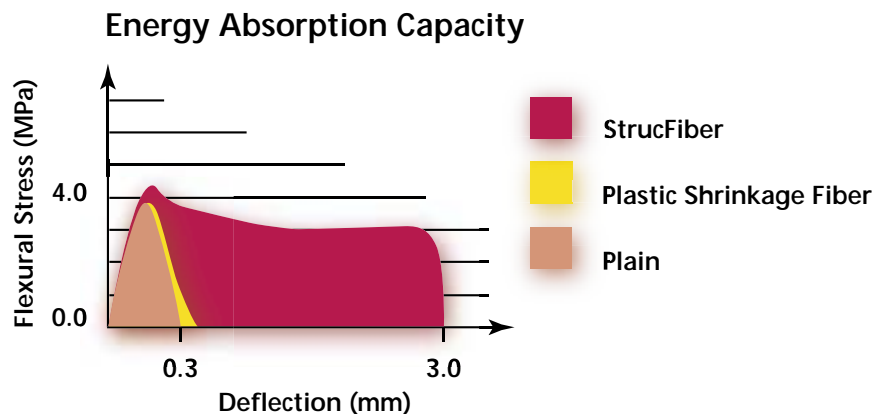
### **StrucFiber Benefits**

- Saves time and money
- Easy to pump, place, and finish
- Safer to use than other slab reinforcements
- Added plastic shrinkage cracking protection
- Does not corrode
- Good Ductility and impact resistance

### *StrucFiber provides great performance with none of the hassles of steel fiber or wire mesh.*

#### Tough Concrete

Toughness is the area under the Load vs. Deflection curve and is a measure of how much energy the concrete can absorb.



#### Less Cracking

StrucFiber will intersect cracks when they initiate. This allows for a distribution of the shrinkage stress that develop and will will lessen cracking problems later on.

	StrucFiber at 3.5 kg/m <sup>3</sup>	StrucFiber 4.5 kg/m <sup>3</sup>	100 x100 mm W1.4/W1.4
Calculated Crack width	<0.3 mm	<0.2 mm	<0.6mm
Flexural Capacity	Increased by 35%	Increased by 42%	No Increase

#### More Fiber

StrucFiber	Typical 60mm Flat Steel Fibers
• 1 kg of StrucFiber contains 176 500 fibers	• 1 kg of fibers contains 1385 fibers
• 0.33% Volume of fibers = 3 kg/m <sup>3</sup>	• 0.33% Volume of fibers = 25 kg
• 3 kg Struc 90/40 = 530 000 fibers	• 25 kg Steel Fibers = 35 000 fibers
• Tensile Strength = 540 MPA	• Tensile Strength = 825 MPA