GUIDE SPECIFICATION

***{Note to Specifier: The paragraphs below are meant to be incorporated into Parts 2 and 3 of a standard CSI 3 Part Format specification, project’s General Structural Notes or directly onto the plans. They must be carefully reviewed by a qualified design professional and edited to meet the particular requirements of the project at hand, assure compliance with any governing building codes, and coordinate with other specification sections and drawings. In no case shall these Guide Specifications be considered to be Contract Documents or serve as installation instructions for the product being discussed. In any cases of discrepancy the manufacturer's most recently published data sheet shall take precedent.}***

**PSI FIBERSTRAND REPREVE 225**

PSI FIBERSTRAND REPREVE 225 is a fine denier monofilament synthetic microfiber for concrete reinforcement manufactured from sustainably resourced polyester that complies with ASTM C1116 (Standard Specification for Fiber Reinforced Concrete and Shotcrete) and is specifically designed to help mitigate the formation of plastic shrinkage cracking in concrete. Typically used at a dosage rate of 0.5 lb/yd3 (0.3 kg/m3), PSI FIBERSTRAND REPREVE 225 microfibers will greatly reduce plastic shrinkage cracking when compared to plain concrete. PSI FIBERSTRAND REPREVE 225 microfibers also comply with applicable portions of the International Code Council (ICC) Acceptance Criteria AC32 for synthetic fibers. For every pound of PSI FIBERSTRAND REPREVE 225, up to 10 plastic bottles are diverted from landfills and instead used to reinforce concrete.

PART 2: PRODUCTS

2.\_ FIBER REINFORCEMENT

A. Synthetic Monofilament Microfiber: polypropylene microfibers that have been resourced and manufactured from plastic bottles and complying with International Code Council (ICC) Acceptance Criteria AC32 ASTM C1116/C1116M, Type III, and ASTM D7508 1/4 inches (6 mm) long.

1. Basis of Design Product:

a. PSI FIBERSTRAND REPREVE 225 by Euclid Chemical

2.\_ CONCRETE MIXTURES FOR BUILDING ELEMENTS

*Retain paragraph below to specify synthetic monofilament microfiber that is resourced and manufactured from disposed water bottles. Up to 10 water bottles are diverted from landfills for every pound of this fiber used in concrete.*

*Microfiber may be used in unison with wwf or in non-reinforced concrete slabs to reduce plastic shrinkage cracking but is not a replacement for wwf or other reinforcing steel.*

A. Use Synthetic Micro Fibers at rate of 1/2 pounds per cubic yard (0.3 kg/m3) of concrete.

PART 3: EXECUTION

3.0 SYNTHETIC MICRO FIBERS

A. Synthetic Micro Fibers: Add to concrete and mix for 3 – 5 minutes to provide uniform distribution.

B. For broomed surfaces, broom once in one direction only.

END GUIDE SECTION