

Polymesh™ answers concrete reinforcement questions.

Polymesh™ is manufactured to optimum graduations from 100% pure virgin polypropylene, which increases the homogenization of concrete to produce a more favorable consistency at equal slump. Although concrete with **Polymesh™** fibers may appear stiffer than non-fibrous concrete, it still maintains the same level of workability without the addition of extra water. GRT recommends that all concretes be checked to ensure compliance with specifications and established mix designs.

When used at an addition rate of 1 pound per cubic yard of concrete **Polymesh™** will meet or exceed the specified value for Performance Level 1 of ASTM C-1116 I5 Toughness Index.

Polymesh™ Micro-Fiber reinforcement may be used at 1 pound per cubic yard of concrete due to the increased number of micro-fibers per pound.

Dosage Rates may vary according to application. (Minimum 1.0 lb/cubic yard) Custom packaging and lengths are available according to project requirements (1/4", 1/2", 3/4", 1").

Engineered to meet and comply with existing building codes.



APPLICABLE STANDARDS

Polymesh™ Micro-Fibers meet the material specifications described in ASTM C-1116, Type III, Section 4.1.3, "Synthetic Fiber Reinforced Concrete or Shotcrete".

Meets the properties for polypropylene established in ACI 544.1 R-82, Table 1.1.

ADVANTAGES

- Will Control Shrinkage and thermal cracking
- Will not rust or corrode
- Will assist in preventing cracks, whereas wire mesh may influence cracking
- Reduces permeability to chloride and increases impact resistance
- Chemically inert and non-hazardous, and will not react with any components

normally incorporated in concrete

- Contains no additives harmful to the skin when handling
- Does not affect concrete pumpability, set time or finishing characteristics
- Qualifies as non-structural fiber reinforcement in hardened concrete

PACKAGING

Polymesh™ Micro-Fibers are available in 1 pound water-dispersible bags, (25 bags per carton, 18 cartons per pallet). For additional information, please contact your GRT **Polymesh™** representative.

HANDLING

Polymesh™ Micro-Fibers should be stored in a weathertight area.

General Resource Technology assumes no responsibility for the end products or uses made with our Polymesh fibers due to GRT's lack of control during design, manufacture, or testing of these products.

