

# N-200



**FEATURES**

- Enhances durability, fatigue and flexural performance
- Can provide secondary reinforcement.
- Alkali resistant & non-corrosive
- Three dimensional reinforcement to prohibit cracking
- Reduces in place costs
- High impact resistance and wear resistance
- Easily added to the concrete

**BENEFITS**

N-200 fiber added to concrete chemically locks in the fresh concrete matrix, controlling plastic shrinkage. N-200 provides secondary reinforcement which helps eliminate crack formation that causes permanent weakening of the resultant concrete. With N-200, concrete is less permeable, has a smooth surface, is highly impact resistant and improves your Bottom Line.

**APPLICATIONS**

N-200's characteristics lend itself to a variety of concrete applications including: slab-on-grade, precast concrete, shot-crete, stucco, decorative and other specialty concrete applications.

**DOSAGE RATES**

For general applications such as slab-on-grade, a standard dosage of (1) bag/yd<sup>3</sup> is recommended. Other fibers require higher dosage rates to achieve similar performance. For other applications, consult with your ICF representative for recommended dosages.

**MIXING**

Follow ASTM C-94 guidelines. N-200 can be added directly to the mix at the jobsite or during batching of ingredients, but not as the first ingredient and should be mixed for a minimum of 5 minutes at full mixing speed.

**PACKAGING**

N-200 is bagged in 1lb. bags.

**FINISHING**

There is NO surface protrusion when using N-200. N-200 can be pumped or placed using conventional equipment and N-200 can be used with all finishing techniques including power and hand troweling, broom finished and colored concrete.

<b>PHYSICAL PROPERTIES</b>	Material	Nylon
	Specific Gravity (g/m <sup>3</sup> )	1.14
	Tensile Strength	44 ksi (average)
	UV Resistance	Excellent
	Absorption	4%
	Acid & Alkali Resistance	Excellent
	Type	Monofilament
	Dispersity Rate	Excellent
	Standard Fiber Lengths	¾ inch (18mm)
	Electrical Conductivity	Low
	Melting Point	435-490°F



### General Specifications

**N-200** fibers should be added per engineer's instructions or per standard specification with the dosage rate established by testing from a certified testing lab or as dictated by a standard specification. N-200 fibers are pre-packaged in pre-measured degradable bags that can be added directly to the mix.

### Placing and Finishing

Standard placing and finishing techniques are recommended for **N-200**. For best results when finishing a slab, use a laser or vibrating screed. The use of a soft cut saw is recommended



**Guidelines for use:** The recommended dosage for **N-200** fiber is 1 lbs. per cubic yard. **N-200** can be used at higher dosage rates.

<u>Packaging</u>	<u>Storage and Handling</u>	<u>Mixing</u>	<u>Additional Info</u>
<p><b>N-200 is packaged In 1lb. bags.</b></p> <p>The bags are pre-measured and degradable so they can be added directly to the mix.</p>	<p><b>N-200 fibers should be stored at temperatures below 140 degrees F.</b></p>	<p><b>N-200 fibers are packaged in ready to use bags which are designed to be introduced at any time during the batch process.</b></p> <p><b>Follow ASTM C 94 Allow 5 minutes mix time at full mixing speed</b></p>	<p><b>For additional information about N-200 fibers, contact your local sales Representative.</b></p>

**Conclusion:**

Based on the test results, N-200 fiber can be used at a specified dosage rates to replace welded wire fabric.

All information, recommendations and advice provided by ICF Concrete regarding N-200 and their use and application is based on ICF Concrete's experience with such products when properly stored, handled and applied under normal conditions.

ICF Concrete reserves the right to change the properties of N-200 products without prior notice.

No offer or solicitation of sale or purchase is made under or with this information sheet