



## Technical Information

April 13, 2008

### Fibres (Dramix style)

<u>Length</u>	<u>Diameter</u>	<u>Aspect Ratio</u>	<u>Fibres/KG</u>	<u>Tensile Strength</u>
Superior: 60mm	0.75mm	vd=80	4600	1050N/mm <sup>2</sup>
Premium: 60mm	0.90mm	vd=67	3200	1000N/mm <sup>2</sup>
Standard: 50mm	1.05mm	vd=48	2800	800N/mm <sup>2</sup>

### Advant-X Fibres – Non Dedicated material

<u>Length</u>	<u>Thickness</u>	<u>Wave Distance</u>	<u>Wave Altitude</u>	<u>Tensile Strength</u>	<u>Width</u>
1" – 25mm	0.40 - 0.80	6.0 - 8.5	1.5 - 2.5	>700mpa	2.05 - 2.75
1 1/2" – 38mm	0.40 - 0.90	6.0 - 8.5	1.5 - 2.5	>700mpa	2.05 - 2.75
2" – 50mm	0.40 - 1.00	6.0 - 8.5	1.5 - 2.5	>700mpa	2.05 - 2.75

### Advant-X Fibres – Dedicated material

<u>Length</u>	<u>Thickness</u>	<u>Wave Distance</u>	<u>Wave Altitude</u>	<u>Tensile Strength</u>	<u>Width</u>
1" – 25mm	0.50-0.80	6.0 - 8.0	1.5 - 2.2	>700mpa	1.2 - 1.6
1 1/2" – 38mm	0.50-0.80	6.0 - 8.0	1.5 - 2.2	>700mpa	1.2 - 1.6
2" – 50mm	0.50-0.80	6.0 - 8.0	1.5 - 2.2	>700mpa	1.2 - 1.6

### Packaging

50# bags

### Performance Criteria

ASTMA 820



## **ADVANT-X STEEL FIBRES FOR CONCRETE REINFORCEMENT**

Metal Fibres Canada produces a superior quality steel fibre which is used in a variety of applications to reinforce concrete resulting in increased flexural strength, improved crack / abrasion and impact control. Applications include all heavy duty concrete flooring, precast products, airport runways, safes, vaults, etc. Advant-X fibres (1") are also used in shotcrete for tunnel lining (mines), pools and embankment stabilization. Steel fibres conforming to this profile have been used extensively worldwide for over 25 years.

Our fibres feature:

- A. High strength cold drawn steel wire. Tensile 120,000 - 140,000 psi.
- B. Undulated fibre shape providing a superior anchor to the concrete mix.
- C. Shape and length characteristics aid in the batching process and reduce fibre balling.
- D. Our steel is cold drawn exclusively from North American ISO certified mills.
- E. Our fibres meet or exceed standard specification for ASTM A 820 Type 1 reinforced concrete and ASTM C1116 shotcrete
- F. Available in .5", 1", 1.5", 2", 2.5" lengths.

Our fibres are packaged in:

- A. Multi walled, weather resistant, heavy duty bags
- B. Each bag is 50 lb; labeled with weight and fibre length.
- C. Palletized and wrapped on a 2,500 lb. skid.
- D. Standard and flat bed delivery available

If you have further inquires please contact us at your convenience.

Don Selyan  
General Manager