

PRODUCT NAME

# Adi-Con™ Fiber 100

## Micro-Reinforcement for Concrete and Mortars



MANUFACTURER

Gemite® Products Inc.

Toll Free: 888-4-GEMITE (888-443-6483)  
E-mail: [techinfo@gemite.com](mailto:techinfo@gemite.com)  
Web Site: [www.gemite.com](http://www.gemite.com)

<b>USA</b>	<b>CANADA</b>
160-3480 East Robinson Rd.	1787 Drew Road
Amherst, New York 14228	Mississauga, Ontario L5S 1J5
Phone 888-443-6483	Phone 905-672-2020
Fax 888-443-6329	Fax 905-672-6780

FEATURES

- Controls formation of plastic and settlement cracking
- Reduces drying shrinkage cracking
- Improves impact strength
- Increases abrasion resistance
- Improves durability
- Improves water tightness

PRODUCT DESCRIPTION

Basic Use

Adi-Con™ Fiber 100 is used in all types of concrete to increase resistance to intrinsic cracking and improve impact resistance and durability. The typical applications include concrete for slabs-on-ground, sidewalks, driveways, stucco, curbs, overlays & toppings, and slope paving.

Composition and Materials

Adi-Con™ Fiber 100 is a multi-filament polypropylene Fiber, specifically engineered and manufactured for use as concrete and mortar reinforcement.

Limitations

Do not increase joint spacing beyond ACI and PCA guidelines and do not decrease the thickness of the slab. Adi-Con™ Fiber 100 does not prevent cracking due to external stresses and must not be used to replace structural, load-bearing reinforcement.

Health and Safety

Adi-Con™ Fiber 100 is nontoxic and nonflammable. Harmful if digested. Keep product out of reach of children. FOR INDUSTRIAL USE ONLY. Consult MSDS for additional information.

Color

Milky white.

Packaging

Adi-Con™ Fiber 100 is supplied in 0.6 kg (1.32 lb.) bags.

Yield

The dosage is 0.6-0.9 kg/ m<sup>3</sup> (1.0 to 1.5 lbs/ yd<sup>3</sup>) of concrete. Contact Gemite technical service for dosages in mortar topping applications.

Storage and Transportation

Adi-Con™ Fiber 100 in unopened bags and when stored on pallets in a dry area, free from direct sunlight, has an unlimited shelf-life.

TECHNICAL DATA

Water absorption	NIL
Specific gravity	0.91 g/ cm <sup>3</sup>
Fiber length (graded)	Typically 12 mm (1/2 in)
Acid & salt resistance	Excellent
Alkali resistance	Excellent
Electrical and thermal conductivity	Low
Melting point	162 °C (324 °F)
Ignition point	593 °C (1,100 °F)

INSTALLATION

Current Guide Specification and Application Instructions contain additional information specific to each application and must be followed. Contact Gemite’s Technical Service for information specific to your application.

Application

Adi-Con™ Fiber 100 is compatible with all concrete admixtures and performance enhancing additives, but requires no admixtures to work or to be mixed in concrete or mortars. The addition of Adi-Con™ Fiber 100 does not require any additional water or other mix design changes at normal dosages. It can be added to the mixer before, during, or after batching the other concrete materials. Concrete or mortars with addition of Adi-Con™ Fiber 100 can be finished by any finishing technique. Exposed aggregate, broomed or tined surfaces are no problem.

AVAILABILITY AND COST

Adi-Con™ Fiber 100 is available worldwide. Contact Gemite Products Inc. for the name of the nearest Representative/ Distributor and current pricing information.

WARRANTY

A limited twelve (12) month Material Replacement Warranty is available. For details, contact Gemite’s head office.

TECHNICAL SERVICE

For technical advice on suitability of Adi-Con™ Fiber 100 for specific application, specification assistance and application advice, contact Technical Service: USA (888) 443-6483 or Canada (905) 672-2020.

Gemite Products Inc.  
March 2006