

# PRECAST



## THE PRECAST REINFORCEMENT THAT ENHANCES PROFITS.

Manufacturers of precast products can experience immediate savings on materials with Fibercast™ synthetic reinforcement solutions from Propex Concrete Systems. But that is just the beginning of the cost reductions. From reduced rework to labor expenses to faster cycle times, Fibercast dramatically lowers costs throughout the production process.

### OFFERS SUBSTANTIAL SAVINGS IN TIME AND MONEY.

- Fibercast distributes evenly throughout the concrete, creating a network of support throughout the form that eliminates the need for steel secondary reinforcement.
- Reduces spalling and reduces rework costs by preventing shrinkage cracks from forming during the concrete's plastic state.
- Minimizes field costs and plant rework by ensuring a consistent quality appearance of the end products.
- Lowers labor costs through simplified placement and finishing.
- Lessens your reliance on specialized mix designs, because Fibercast is proven to reduce porosity.



### SHORTENS CYCLE TIMES BY ADDING UNPRECEDENTED GREEN STRENGTH.

- Fibercast fibers provide a two-hour advance on handling strength, due to extraordinary improvements in the green strength and cohesiveness of precast forms.
- Cycle times are reduced by 30%, which lowers plant overhead per unit and increases total production.



THE ADVANTAGE CREATORS.™

CONCRETE SYSTEMS

## DOSAGE RECOMMENDATIONS

	Fibercast™ 500	Fibercast™ 510
	Temp steel alternate	Flexural steel alternate <sup>5</sup>
2 in wall thickness	3 lbs/yd <sup>1</sup>	10 lbs/yd <sup>2</sup>
4 in wall thickness	3 lbs/yd <sup>1</sup>	9 lbs/yd <sup>3</sup>
6 in wall thickness	3 lbs/yd <sup>1</sup>	6 lbs/yd <sup>3</sup>
Enhanced fire resistance	2.25 lbs/yd <sup>4</sup>	n/a
Enhanced impact/blast	2 lbs/yd <sup>4</sup>	n/a
Enhanced green strength	1.5 lbs/yd <sup>4</sup>	n/a
Shrinkage crack control	1.0 lbs/yd <sup>4</sup>	n/a

Notes: 1. Dosage for fiber alternate to ACI 318 minimum temp steel of 0.1%  
 2. Assume typical flexural steel (6x6 - 6/6 WWF)  
 3. Assume typical flexural steel (4x4 - 4/4 WWF)  
 4. Need for ACI 318 temp steel not eliminated at this dosage rate  
 5. Recommend min. 5 lbs/yd

## PROVEN IN A WIDE VARIETY OF APPLICATIONS:

- Septic tanks
- Agricultural products
- Utility structures
- Manhole cones and risers
- Marine products
- Burial vaults
- Hazardous material storage
- Statuaries

## FOR MORE INFORMATION:

See our Product Data Sheets for the FIBERCAST™ family of products.



THE ADVANTAGE CREATORS.™

**NORTH AMERICA**  
 Propex Concrete Systems Corp.  
 6025 Lee Highway, Suite 425  
 PO Box 22788  
 Chattanooga, TN 37422  
 Tel: 800 621 1273  
 Tel: 423 892 8080  
 Fax: 423 892 0157

**INTERNATIONAL**  
 Propex Concrete Systems Ltd.  
 Propex House, 9 Royal Court, Basil Close  
 Chesterfield, Derbyshire, S41 7SL.UK  
 Tel: +44 (0) 1246 564200  
 Fax: +44 (0) 1246 465201  
[www.fibermesh.com](http://www.fibermesh.com)

Fibermesh®, Novomesh®, Novocon®, ENDURO® and e3® are registered trademarks of Propex Concrete Systems Corp.

THIS PUBLICATION SHOULD NOT BE CONSTRUED AS ENGINEERING ADVICE. WHILE INFORMATION CONTAINED IN THIS PUBLICATION IS ACCURATE TO THE BEST OF OUR KNOWLEDGE, PROPEX DOES NOT WARRANT ITS ACCURACY OR COMPLETENESS. THE ULTIMATE CUSTOMER AND USER OF THE PRODUCTS SHOULD ASSUME SOLE RESPONSIBILITY FOR THE FINAL DETERMINATION OF THE SUITABILITY OF THE INFORMATION AND THE PRODUCTS FOR THE CONTEMPLATED AND ACTUAL USE. THE ONLY WARRANTY MADE BY PROPEX FOR ITS PRODUCTS IS SET FORTH IN OUR PRODUCT DATA SHEETS FOR THE PRODUCT, OR SUCH OTHER WRITTEN WARRANTY AS MAY BE AGREED BY PROPEX AND INDIVIDUAL CUSTOMERS. **PROPEX SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR ARISING FROM PROVISION OF SAMPLES, A COURSE OF DEALING OR USAGE OF TRADE.**