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# Report on Glass Fiber-Reinforced Concrete Premix

Reported by ACI Committee 549

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## Report on Glass Fiber-Reinforced Concrete Premix

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**American Concrete Institute**  
**38800 Country Club Drive**  
**Farmington Hills, MI 48331**  
**Phone: +1.248.848.3700**  
**Fax: +1.248.848.3701**

[www.concrete.org](http://www.concrete.org)

# Report on Glass Fiber-Reinforced Concrete Premix

Reported by ACI Committee 549

Ashish Dubey<sup>\*†</sup>  
Chair

Corina-Maria Aldea <sup>†</sup>	David M. Gale	John L. Mulder	Surendra P. Shah
P. N. Balaguru	Graham T. Gilbert	Antoine E. Naaman	Yixin Shao
Hiram Price Ball, Jr. <sup>†</sup>	Antonio J. Guerra	Antonio Nanni	A. Kumar Sharma
Nemkumar Banthia	John Jones <sup>*†</sup>	Nandakumar Natarajan	Parviz Soroushian
Gordon B. Batson	Katherine G. Kuder	Omar A. Omar <sup>†</sup>	R. Narayan Swamy
Neeraj J. Buch	James R. McConaghy	P. Paramasivam	George J. Venta
James I. Daniel	Barzin Mobasher <sup>†</sup>	D. V. Reddy	Robert C. Zellers
Sidney Freedman <sup>†</sup>	Henry J. Molloy <sup>‡</sup>	Paul T. Sarnstrom	

<sup>\*</sup>Co-chairs of subcommittee responsible for preparing report.

<sup>†</sup>Members of subcommittee responsible for preparing report.

<sup>‡</sup>Chair of subcommittee responsible for preparing report.

*Glass fiber-reinforced concrete premix technology is becoming increasingly popular worldwide for manufacture of precast concrete products used in industrial, architectural, civil engineering, and construction applications. Glass fiber-reinforced concrete premix products provide a useful balance of properties such as strength, toughness, durability, moisture resistance, dimensional stability, fire resistance, and aesthetics. This report summarizes the current knowledge of materials, manufacturing methods, engineering properties, and applications of glass fiber-reinforced concrete premix.*

**Keywords:** cement-based composites; cement boards; cement panels; composite materials; concrete panels; ductility; durability; engineering properties; fiber-reinforced cement-based materials; ferrocement; fibers; flexural strength; glass fiber-reinforced concrete; glass fibers; manufacturing methods; mesh reinforcement; premix; toughness.

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## CONTENTS

### Chapter 1—Introduction and scope, p. 2

- 1.1—Introduction
- 1.2—Scope

### Chapter 2—Notation, definitions, and acronyms, p. 2

- 2.1—Notation
- 2.2—Definitions
- 2.3—Acronyms

### Chapter 3—Materials and mixture proportions of glass fiber-reinforced concrete premix, p. 3

- 3.1—Types of premix
- 3.2—Typical mixture ingredients
- 3.3—Typical mixture proportions

### Chapter 4—Properties of glass fiber-reinforced concrete premix, p. 6

- 4.1—Influence of fiber content
- 4.2—Influence of fiber length
- 4.3—Influence of fiber orientation
- 4.4—Influence of fiber geometry
- 4.5—Influence of chopped fibers with reinforcing scrim

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