

CONTENTS

	Page
List of Symbols	ix
Foreword	xi
Preface	xiii
1. Introduction	1
2. Properties of materials	3
3. Theoretical principles of fibre reinforcement in uniaxial tension	8
4. Theoretical principles of fibre reinforcement in flexure	35
5. Steel-fibre concrete : Properties in the fresh state and mix design for workability	52
6. Steel-fibre concrete : Properties in the hardened state	61
7. Polypropylene fibres in concrete, mortar, and cement	81
8. Glass fibres in cement and in concrete	99
9. Asbestos cement	135
10. Fibres other than asbestos, glass, polypropylene, and steel	146
11. Application of steel, polypropylene, glass, and asbestos fibres	157
12. Steel-fibre concrete in road and airfield pavements	182