RECOMMENDATION FOR DESIGN AND CONSTRUCTION OF

STEEL FIBER REINFORCED CONCRETE

(Reprint from the CONCRETE LIBRARY No. 50 Published by JSCE, March 1983)

JSCE Steel Fiber Reinforced Concrete Research Subcommittee

Masatane KOKUBU, Chairman Kazusuke KOBAYASHI, Secretary

Committee Members Koichi AOKI	Kiyoshi OKADA	Ryokche CHO
Yukio AOYAGI	Hajime OKAMURA	Yoshiharu TOKUMITSU
Taisuke AKIMOTO	Shigetoshi KOBAYASHI	Yasushi NAKAHARA
Shiro IBUKIYAMA	Yukımasa GOTO	Shigeyoshi NAGATAKI
Takashi IIJIMA	Kiyoshi KOHNO	Shigeki NAGATOMO
Etsuhiko INAMI	Shuichi KOKUBUN	Yoshiro HIGUCHI
Kimitaka UJI	Katsuhisa SATO	Kenji FUKUMITSU
Hiroyasu UENO	Yoshiaki SATO	Yoshio FUJITA
Taketo UOMOTO	Eiichi TAZAWA	Ziro MURATA
Takehira ENDO	Yujiro TAZAWA	Mamoru MINEMOTO
Toshiyuki OHNO	Osamu TAMAKI	Hirotomo YOSHIDA

Committee Members	from trusters	
Masao ISHIWATA	Kaoru KAWABATA	Shozo FURUTSU
TSUNEO OCHI	Kyoichi TASHIRO	Mikio MIYAZAWA

## CONTENTS

- I. RECOMMENDATION FOR DESIGN AND CONSTRUCTION OF STEEL FIBER REINFORCED CONCRETE
- II. GUIDELINE FOR CONSTRUCTION OF STEEL FIBER REINFORCED SHOTCRETE
- III. JSCE STANDARD

III-1. SPECIFICATION OF STEEL FIBERS FOR CONCRETE

III-2. METHOD OF TESTS FOR STEEL FIBER REINFORCED CONCRETE

## SYNOPSIS

The Japan Society of Civil Engineers (JSCE) formed the Steel Fiber Reinforced Concrete Research Subcommittee of the Concrete Committe when it was entrusted to research steel fiber reinforced concrete by the Kozai Club.

The recommendation for design and construction of steel fiber reinforced concrete was drawn up in 1983 by the research subcommitte on the basis of the results of research and actual applications in construction work. The recommendation includes guidelines on steel fiber reinforced shotcrete, quality specifications of steel fiber, and the method of tests for steel fiber reinforced concrete.



Masatane KOKUBU (Chairman)



Kazusuke KOBAYASHI (Secretary)

Masatane KOKUBU is professor emeritus of the University of Tokyo. He was chairman of the Committee on Concrete in Japan Society of Civil Engineers from 1960 to 1982. He is honorary member of the Japan Society of Civil Engineers and of the American Concrete Institute. He is member of Executive Committee of I.A.B.S.E.

Kazusuke KOBAYASHI is professor of civil engineering at Institute of Industrial Science, University of Tokyo. He is member and secretary of the Subcommittee on Steel Fiber Reinforced Concrete.