

**JSCE - STANDARDS**  
**ON**  
**TEST METHODS OF REPAIRING MATERIALS**  
**USED FOR CONCRETE STRUCTURES**

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**TEST METHODS OF REPAIRING MATERIALS**  
**FOR CONCRETE STRUCTURES**

Edited by Toyoaki MIYAGAWA  
Professor of Department of Civil Engineering  
Graduate School of Engineering, Kyoto University

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Concrete Committee  
Japan Society of Civil Engineers (JSCE)  
Yotsuya 1-chome, Shinjuku-ku, Tokyo 160-0004, JAPAN  
FAX +81-3-5379-2769 E-mail [pub@jsce.or.jp](mailto:pub@jsce.or.jp)

Distributors

## Foreword

As the number of deteriorated concrete structures is increasing in Japan, the demand for use of repairing materials is also increasing at high rate. Many kinds of repairing materials are developed and commercially available, at present. However, the test standard for their physical or chemical characteristics is not well established. Therefore, it still contains great difficulties to obtain best performance of repairing materials, used in repairing work of deteriorated concrete structures.

Under these circumstances, the Concrete Committee of the Japan Society of Civil Engineers established a Working Group on “Standard for Repairing Materials” chaired by Prof. Eiichi Tazawa of Hiroshima University in 1989. This WG was continued until 1991, followed by newly organized WG on “Repairing Materials” chaired also by Prof. Tazawa, which was continued until 1994. In 1996, a new WG on “Repairing Materials” (chaired by Prof. Toyoaki Miyagawa of Kyoto University) was organized aiming to establish the JSCE standard on test methods for concrete repairing materials. This WG chaired by Prof. Miyagawa has been continued, and through the activity of this WG, following JSCE standards were proposed; JSCE-K 511-2007, JSCE-K 521-1999, JSCE-K 522-2005, JSCE-K 523-2005, JSCE-K 524-2005, JSCE-K531-1999, JSCE-K 532-2007, JSCE-K 541-2000, JSCE-K 542-2000, JSCE-K 543-2000, JSCE-K 551-2000, JSCE-K 552-2000, JSCE-K 553-2000, JSCE-K 561-2003 and JSCE-K 571-2004.

The JSCE Guidelines for Concrete (No. ) contains these test methods. Hopefully, this proposed standard is read and executed in many countries and by many research engineers and field engineers. Also, I strongly hope that the standard described herein will lead the repairing work of concrete structures with these materials to be technically effective and economically reasonable. Finally, it will contribute to social development not only in Japan, but also all over the world.

Finally, I wish to express my gratitude to Mr. Kazuo Eguchi, Secretary, for their dedications to the working group’s work from the beginning until the publication of the JSCE Guidelines for Concrete (No. ). My sincere appreciation also goes to other working group members whose contributions led to the success of the committee.

Toyoaki MIYAGAWA

Chairman of The Working Group on Test Method for Repairing Materials.

The Sub-Committee on Test Methods and Specifications for Concrete, Concrete Committee of the JSCE.

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\* : Contributor of English Translation of These Specifications and Test Methods.

# JSCE Guidelines for Concrete No.---

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