

An MND Statutory Board

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For enquiries, please contact:  
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## **NEW SINGAPORE STANDARD SS 674: 2021 FIBRE CONCRETE - DESIGN OF FIBRE CONCRETE STRUCTURES**

### **Objective**

1 This circular is to inform the industry of the publication of the new Singapore Standard SS 674: 2021 Fibre Concrete - Design of Fibre Concrete Structures.

### **Design of Fibre Concrete Structures**

2 Fibre concrete, also referred to as fibre reinforced concrete, has been used in construction to improve site productivity, safety and also the durability of concrete structures. However, the design of fibre concrete is not included in Eurocode 2: Design of Concrete Structures, nor in any EN standard.

3 The new Singapore Standard SS 674: 2021 was prepared by the Working Group, which was set up by the Technical Committee on Building Structures and Substructures of Enterprise Singapore, and comprised members from BCA, relevant agencies and industry partners. The standard is a modified version of SS 812310: 2014, "Fibre concrete – Design of fibre concrete structures", including its Amendment, and is complementary to SS EN 1992-1-1. Both SS 674 and SS EN 1992-1-1 should be read in conjunction with each other for a full comprehension of the subject. Minor modifications have been made to suit national requirements and the needs of the local industry.

4 SS 674: 2021 will be included in the Approved Document and can be used by industry practitioners. We would like to take this opportunity to inform the industry that BCA is currently working with the Association of Consulting Engineers Singapore (ACES) to publish the Design Guide for Fibre Concrete Structures that complies with SS 674: 2021 in early 2022.

### **For Clarification**

5 We would appreciate it if you could bring to the attention of your members the contents of this circular. Should you need any clarification, please submit your enquiry through BCA's Online Feedback Form at <https://www.bca.gov.sg/feedbackform/> or call us at 1800 342 5222.

Yours faithfully



LUNG HIAN HAO  
DIRECTOR, BUILDING ENGINEERING GROUP  
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