

SINGAPORE CIVIL DEFENCE FORCE

Our Ref. : CD/FSSD/12/02/03/01

Your Ref :

Date : 5 April 2011



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Registrar, Board of Architects (BOA)
Registrar, Professional Engineers Board (PEB)
President, Singapore Institute of Architects (SIA)
President, Institution of Engineers, Singapore (IES)
President, Association of Consulting Engineers, Singapore (ACES)

Dear Sir/Mdm,

PROVISION OF FIRE SEALS FOR INSTALLATION OF FIRE DOORS IN BUILDINGS

Clause 3.15.13 of the Fire Code 2007 stipulates that in buildings which are protected by an automatic sprinkler system, fire rated glass can be used for the construction of compartment walls, compartment floors, enclosures to smoke stop lobby and fire fighting lobby, and protected shafts not containing exit staircase and fire lift, subject to the following:

a. The walls and doors shall have the necessary fire resistance, including insulation, when subject to test under BS 476: Part 20-23; and

b. The walls and doors shall meet the Class A of the Impact Performance requirements when subject to test under BS 6202 or AS 2208.

2. It was noted from general feedback that existing fire rated glass doors installed in buildings had clear gaps of more than 3mm between door leaf and frame at the two edges and at the door head in the closed position. Such increased gap would affect the fire integrity of the door. It was decided at the recent Fire Code Review Committee that installation of fire rated glass door in building shall come with fire seal, subjected to passing fire test stipulated in SS332.

3. This Circular shall take effect from 1 October 2011. *Any building projects that have their building plans submitted to SCDF on or after the effective date must comply with this requirement.* Please convey the contents of this Circular to members of your Institution/Association/ Board. The Circular is also available in CORENET-e-Info: <http://www.corenet.gov.sg/einfo>.



4. For any inquiry or clarification, please contact: Mr. Randy Tan at Tel: 68481461 or Email: Randy_Tan@scdf.gov.sg.

Yours faithfully,

(transmitted via e-mail)
Poon Keng Soon
Secretary, FSSD Standing Committee
for Commissioner
Singapore Civil Defence Force

cc
All members of FSSD Standing Committee
President, REDAS
President, IFE
President, SISV
CEO, BCA
CEO, URA
CEO, HDB
CEO, PSA
CEO, JTC
CE, LTA
CE, TUV SUD PSB – (Attn: Ms Emily Mok/ Mr Lau Keong Ong)
CE, SPRING Singapore – (Attn: Mr Kenneth Lim)
President, FSMAS
Honorary Secretary, SPM