

Republic of the Marshall Islands

MARITIME ADMINISTRATOR

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MARINE SAFETY ADVISORY No. 12-18

To: Owners/Operators, Masters, Nautical Inspectors, Recognized Organizations

**Subject: QUALITY ISSUE IN COSMO MED AND TYPE-APPROVED FIRE DOORS
– FAULTY A-60, A-0, AND B-0 FIRE DOORS**

Date: 20 April 2018

This Marine Safety Advisory (MSA) supersedes MSA No. 37-17.

A quality issue has been discovered in fire doors manufactured by COSMO Co., Ltd, where insulation has been found to be partly missing from the upper part, sides, and bottom of the doors (See Figure 1). Fire doors manufactured by COSMO and matching the following criteria may be affected:

1. A-60, A-0, and B-15 class fire doors;
2. certified to MED Modules B and D, type-approved and certified by DNV-GL; and
3. produced between November 2013 and July 2017.

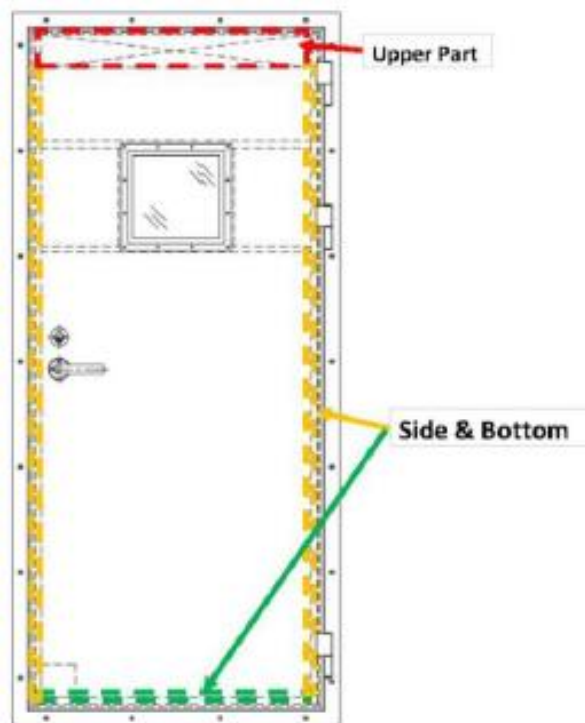


Figure 1

This MSA expires one (1) year after its issuance, unless otherwise noted, extended, superseded, or revoked.

Subsequent testing and analysis has confirmed that the affected A-0 and B-15 doors meet the requirements as set out in part 3 of the International Maritime Organization (IMO) 2010 International Code for Application of Fire Test Procedures (2010 FTP Code), and these doors may remain in service as-is.

However, the affected A-60 rated doors require an on-board repair in order to assure that these A-60 doors meet the requirements of the IMO 2010 FTP Code. The Republic of the Marshall Islands (RMI) Maritime Administrator (the “Administrator”) highly recommends that owners and operators with the aforementioned doors check them to determine whether they are affected by the quality issue. COSMO has devised a test which does not require the removal of the doors:

1. Remove a rivet or hinge bolt on the side of the door.
2. Insert a metal pin through this rivet/bolt hole, and check for insulation.
3. If a door is found to be missing insulation, please inform COSMO at:

COSMO CO., LTD.
20, Myeongnyesandan 2-ro,
Jangan-eup, Gijang-gun,
Busan, Korea
Tel: +82 51 519 9900
Fax: +82 51 519 9910
www.bn-cosmo.com

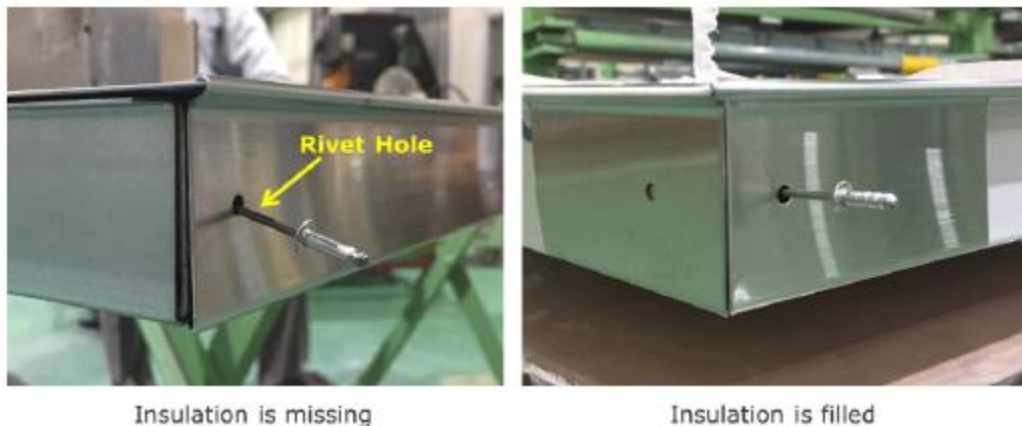


Figure 2

COSMO has established a repair procedure, CD-RP-01, Rev. 8, to address this issue, available from them either by telephone (+82 51 519 9900) or by email at cosmoqm@bn-cosmo.com.

The procedure for the permanent repair of these affected A-60 fire doors is summarized below:

- An approved type of non-combustible material must be injected into the top part of the door through the hole in order to fill the empty space left by the missing insulation.

- The repair work should be carried out by an experienced general outfitter, or by someone who is familiar with drilling and hole cutting. The work must be in accordance with COSMO repair procedure CD-RP-01, Rev. 8.
- After the repair work has been completed, a repair work report, Form COSMO 90, should be documented and sent to COSMO, who will verify it by their responsible person to confirm guarantee of the repaired doors.
- **Once COSMO have verified the Repair Report submitted by Owners after the repairs, Class is not required to attend. However, at the next routine/periodical survey, Class may inspect these repairs.**
- Attached is a copy of a DNV-GL letter accepting this repair procedure, including advice as to what documentation a vessel should retain on-board after any repair work has been completed. (Note that DNV-GL was the original approval authority for these A-60 fire doors, prior to the discovery of this issue.)

Alternatively, any affected doors may be replaced at the option of the Owner/Operator, with certification confirming that the replaced doors satisfy all requirements of the 2010 FTP Code.

Nonetheless, if any such fire doors are found to be affected, please contact the Administrator at technical@register-iri.com, as well as the vessel's Classification Society.

Pending rectification of the defects, the Administrator advises owners and operators of affected vessels to take mitigation measures due to the slight increase in risk to the safety of the vessel. **These measures may include, but are not limited to, additional/more frequent watch/fire patrols, additional precautions when conducting hot-work, and arranging fire hoses so that they are readily available near the affected doors.**

To:
Whom it may concern

DNV GL AS
P.O. Box 300
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Date: 2018-01-29
Our reference: M-SA-SF/OHOFF/
MED-B-J-1464
Your reference:

**DNV GL MED-CERTIFIED AND DNV GL TYPE APPROVED A-60 COSMO FIRE DOOR TYPES
INSTALLED ON DNV GL CLASSED VESSELS IN OPERATION**

DNV GL hereby confirms that A-60 fire door types manufactured by COSMO Co. Ltd. and covered either by MED certificates issued by DNV GL as Notified Body 0575 in the period July 2012 – July 2017 or by DNV GL Type Approval certificates issued in the period June 1992 – July 2017, may include doors with an insulation arrangement which is not in conformity with the approved design. It has been discovered that the doors in question may have voids inside the door blade which miss insulation.

COSMO has established a repair procedure (CD-RP-01, rev. 8, including in its Appendix_1 an exhaustive list of the doors types concerned, "the List"). It allows the A-60 doors included in the List to be repaired on board. Representative testing by an IMO recognized fire test laboratory confirms that doors in the List repaired according to this procedure meet the relevant A-60 requirements as set out in part 3 of the IMO 2010 FTP Code.

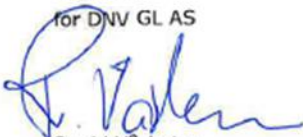
Thus, DNV GL considers that the repaired doors concerned may remain on board without further actions being required, provided that the following documentation is available on board:

- This statement from DNV GL
- COSMO Repair procedure CD-RP-01, rev. 8, dated January 18, 2018
- Completed and signed Repair Work report COSMO-090

DNV GL maintains the relevant certificates,

The referred use of the repair procedure and this statement are restricted to A-60 fire door types manufactured by COSMO Co. Ltd. in the period from June 1992–July 2017 and covered by DNV GL MED and/or DNV GL Type Approval certificates issued in the periods referred to in first section of this letter, and are subject to acceptance by relevant Market Surveillance Authorities, flag states and other relevant stakeholders.

Sincerely
for DNV GL AS



Roald Vårheim
Head of Notified Body 0575



Mårten Schei-Nilsson
Head of Section Fire Safety & Life-Saving

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