Certificate No: LR25162488SF
Issue Date: 18/07/2025
Expiry Date: 17/07/2030

# Certificate Of Fire Approval

This is to certify that the product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

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|---|---|
| **Manufacturer** | **HANSUN ENGINEERING CO LTD** |
| **Address** | 27, Noksansandan 361-ro, Gangseo-gu, Busan, 46754, South Korea |
| **Type** | Pipe Penetration (Standard Fire Test) |
| **Description** | Fire Resisting System - A0 Pipe Penetration of Tube Fittings for Bulkheads and Decks. |
| **Trade Name** | A-0 Pipe Penetration |
| **Specified Standard** | IMO Res. MSC.307(88) – 2010 Fire Test Procedures Code, Annex 1, Part 3<br>IMO MSC.1/Circ.1488 |

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register North America, Inc. of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document and its supplementary Type Approval Terms and Conditions form part of this Certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

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**Bruce McDonald**

Global Fire & Safety Manager to Lloyd's Register North America, Inc.
A member of the Lloyd's Register group

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