



Certificate No:
TAF00001CS

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Class A and B Penetration

with type designation(s)
REMISEAL FS-7200

Issued to

Remitite Co., Ltd.
Gimhae-si, Gyeongsangnam-do, Republic of Korea

is found to comply with

DNV statutory interpretations DNV-SI-0364 – SOLAS interpretations, Edition July 2021
DNV rules for classification – Ships
DNV offshore standards

Application :

Approved for use as a cable penetration system in class A-60 bulkheads and deck.

This certificate is recognized by Transport Canada

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Høvik** on **2021-10-01**

This Certificate is valid until **2026-09-30**.

for **DNV**

DNV local station: **Gimhae Station**

Approval Engineer: **Grzegorz Wolski**

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Helene David-Andersen
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: TA 251

Revision: 2021-03

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Product description

"REMISEAL FS-7200" with 200 mm coaming

Composed of a 200 mm deep steel coaming with thickness of 8 mm installed symmetrically and welded to the bulkhead/deck, filled with REMISEAL FS-7200 around the cables filling the remaining space between coaming and cables. The coaming is fully insulated with A-60 insulation.

"REMISEAL FS-7200" with 90 mm coaming

Composed of a 90 mm coaming with thickness of 5 mm welded to the bulkhead, filled with REMISEAL FS-7200 around the cables filling the remaining space between coaming and cables. The coaming is partially insulated with A-60 insulation.

For further details see approved drawings listed below.

Application/Limitation

Approved for use as a cable penetration system in class A-60 steel bulkheads (200 and 90 mm coaming) and deck (only 200 mm coaming). Other applications are subject for case-by-case approval. Approved for use in class A-0, A-15 and A-30 when the penetration system is insulated as A-60. In addition, the division is to be insulated with A-60 insulation at least 200 mm around the penetration.

200 mm coaming:

Maximum size of transits: 684 mm x 220 mm (Width x Height)

Minimum size of transits: 260 mm x 115 mm (Width x Height)

90 mm coaming:

Maximum size of transits: 610 mm x 310 mm (Width x Height)

Ø 76.3 mm

Minimum size of transits: 240 mm x 120 mm (Width x Height)

Ø 60.5 mm

No more than 40% of the inside cross-sectional area of each transit should be occupied by cables

Each product is to be supplied with its manual for installation and maintenance.

Type Approval documentation

Certification in accordance with Standard for Certification No. 1.2, Type Approval, January 2013.

Test report No. KOMERI-F-10T184 dated 02 April 2010 from KOMERI, Busan, Korea.

Test report No. KOMERI-F-10T185 dated 02 April 2010 from KOMERI, Busan, Korea.

Test report No. KOMERI-0402-11T1103 (90 mm sleeve) dated 11 June 2012 from KOMERI, Busan, Korea.

Test report No. KOMERI-0402-19T0827-1 (90 mm sleeve) dated 12 July 2019 from KOMERI, Busan, Korea.

Test report No. KOMERI-0402-19T0071 (90 mm sleeve) dated 11 March 2019 from KOMERI, Busan, Korea.

Drawing No. REMITITE-CP-FS1003 Rev. 0, dated 12 March 2010 (Bulkhead Section), from manufacturer.

Drawing No. REMITITE-CP-FS1004 Rev. 0, dated 12 March 2010 (Deck Section), from manufacturer.

Drawing No. REMITITE-CP-FS1005 Rev. 0, dated 12 March 2010 (Bulkhead Section), from manufacturer.

Drawing No. REMITITE-CP-FS1006 Rev. 0, dated 12 March 2010 (Deck Section), from manufacturer.

Drawing No. REMITITE-FSA60-11-01 Rev. 0, dated 13 October 2011 (Bulkhead section), from manufacturer.

Drawing No. REMITITE-FSA60-11-02 Rev. 0, dated 13 October 2011 (Bulkhead section), from manufacturer.

Drawing No. REMITITE-FSA60-11-03 Rev. 0, dated 13 October 2011 (Bulkhead section), from manufacturer.

Drawing No. RM-TEST-RSRRS-190201 Rev. 0, dated 20 February 2019 (Bulkhead section), from manufacturer.

Drawing No. RM-TEST-RSRRS-190101 Rev. 1, dated 17 January 2019 (Deck section), from manufacturer.

Tests carried out

Tested in accordance with IMO FTP Code Part 3 and in compliance with IMO 2010 FTP Code Ch. 8.



Job Id: **262.1-010770-4**
Certificate No: **TAF00001CS**

Marking of product

The product or packing is to be marked with name of manufacturer, type designation and fire-technical rating.

Transport Canada Approval

Based on the procedures laid down in the Transport Canada Publication entitled "*Approval Procedures for, Life Saving Equipment and Structural Fire Protection Products (TP 14612)*", Det Norske Veritas confirms that the product/s listed in this certificate is/are in accordance with Transport Canada's requirements.

Periodical assessment

DNV's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Standard for certification No. 1.2 Type Approval Item 4.