



Certificate No:
TAF0000116

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Class A and B Penetration

with type designation(s)

A-60 Pipe Penetration Sealing System RRS-25/RS-205

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 plastic pipe penetration system in class A-60 steel bulkheads.

This certificate is recognized by Transport Canada.

Products approved by this certificate are accepted for installation on all vessels classed by DNV.

Issued at **Høvik** on **2021-09-28**

This Certificate is valid until **2026-09-27**.

for **DNV**

DNV local station: **Gimhae Station**

Approval Engineer: **Helge Bjørnara**

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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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Page 1 of 2

Product description

"A-60 Pipe Penetration Sealing System RRS-25/RS-205", is a single pipe penetration system composed of a 80 mm deep steel sleeve welded symmetrically to the bulkhead. RRS-25 (Remitite Rubber Sleeve 25) is wrapped around the pipe and filling the remaining space between sleeves and pipes. The sleeve is dammed on both ends with 20 mm of RS-205 (Remitite Silicone Sealant 205).

The steel sleeve is to be partially insulated with A-60 insulation.

For further details, see drawing listed under Type Approval documentation.

Application/Limitation

Approved for use as a plastic pipe penetration system in class A-60 steel bulkheads. Other applications are subject to 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 and in addition the division is to be insulated with A-60 insulation at least 200 mm around the penetration.

Approved plastic pipe penetration in A-60 bulkheads

Pipe Type	Pipe outer diameter [mm]	Sleeve outer diameter [mm]	Sleeve length mm]	Sleeve thickness [mm]	Sleeve location	Sleeve insulation
PPR	20 - 125	49 - 216	80	3.25 – 5.85	Symmetric	Partially insulated
PVC	22 - 140	49 - 216	80	3.25 – 5.85	Symmetric	Partially insulated

The pipe penetrations are not approved for use in watertight bulkheads on passenger ships and special purpose ships (SPS).

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

Type Approval documentation

Certification in accordance with Class Programme DNV-CP-0338, September 2021.

Test report No. KOSORI-EFRC-TR-1805-065-02 dated 15 June 2018 from KOSORI, Gyeongsangnam-do, Korea.

Drawing No. RC-RS105-5QL-1804 Rev.0 dated 27 April 2018 (6 sheets) from manufacturer.

Tests carried out

Tested according to IMO 2010 FTP Code part 3.

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 "Procedures for Approval of Life-Saving Appliances, Fire Safety Systems, Equipment and Products (TP14612)", DNV 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 DNV-CP-0338 Section 4.