



CERTIFICATE NUMBER
15-BK1387471-PDA

DATE
14 Jul 2015

ABS TECHNICAL OFFICE
Busan Ship Engineering

CERTIFICATE OF DESIGN ASSESSMENT

This is to certify that a representative of this Bureau did, at the request of
I-BADAK CO., LTD.

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product: **Fire Retardant Surface Material**

Model: **Marine FLOORSOFT**


This Product Design Assessment (PDA) Certificate 15-BK1387471-PDA, dated 14/Jul/2015 remains valid until 13/Jul/2020 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING



Hae-Ryong Ju
Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

I-BADAK CO.

547-1, SUNAM-RI, EUNHYUN-MYEON

KYUNG KI-DO

YANGJU

Korea, Republic of

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Web:

Tier: 2 - PDA Issued

Product: Fire Retardant Surface Material**Model:** Marine FLOORSOFT**Intended Service:**

For use on Ships and Offshore Installations

Description:

Marine FLOORSOFT is a safe product made from flooring materials that retard the spread of flames and do not emit toxic gas. Available product range for Marine FLOORSOFT and Roll type (2mm and 3mm thickness) and Tile type(3mm, 3.5mm and 4mm thickness)

Rating:

Low flame spread characteristics.
Smoke and Toxicity Test

Service Restriction:

- Unit Certification is not required for this product.
- If the manufacturer or purchaser requests an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

Comments:

- The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
- Our approval is based on that the above material has been tested and certified by Korea Marine Equipment Research Institute (KOMERI) Certificate Nos.: KOMERI-0402-15T1732-1 & KOMERI-0402-15T1731-1 dated 15 June 2015 & 15 June 2015.

Notes/Drawing/Documentation:

Drawing No. QI4038/07, ISO 9001:2008 Certificate by ICR, Revision: -, Pages: 1

Drawing No. -, Product Introduction, Revision: -, Pages: 1

-1. Overview of Product

-2. Product Characteristics and Technology

Drawing No. -, Information on the Recipe for Marine Application, Revision: -, Pages: 1

Drawing No. -, Tile Installation Method, Revision: -, Pages: 1

Drawing No. -, Details of the Products, Revision: -, Pages: 1

Drawing No. KOMERI-0402-15T1732-1, KOMERI Test Report of MARINE FLOORSOFT for Part 5, Revision: -, Pages: 1

Drawing No. KOMERI-0402-15T1731-1, KOMERI Test Report of MARINE FLOORSOFT for Part 2, Revision: -, Pages: 1

Terms of Validity:

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STANDARDS

ABS Rules:

The Rules applicable to this assessment are:

- 2015 Steel Vessel Rules 1-1-4/7.7, 1-1 App. 3 & 4, 4-1-1/7.15.
- 2015 Mobile Offshore Drilling Unit Rules 1-1-4/9.7, App. 2 & 3, 5-1-1/3.7.
- 2015 Steel Vessels Under 90 Meters in Length 1-1-4/7.7, 1-1-App. 3 & 4.
- 2015 Facilities on Offshore Installations 1-1-4/9.7, 1-1-App. 2 & 3.
- 2015 Offshore Support Vessels 1-1-4/7.7, 1-1-App. 3 & 4.
- 2015 Steel Vessels for Service on Rivers and Intracoastal Waterways 1-1-4/7.7, 1-1-App. 3 & 4.
- 1978 Bulk Carriers for Service on the Great Lakes (Last Up-dated 2008) 1-1-4/7.7, 1-1-App. 3 & 4.

National:

NA

International:

IMO Resolution MSC.307(88) adopted on 2010, IMO FTP Code 2010 (2012 Edition), Annex 1 Part 2 & Part 5, in conjunction with SOLAS 1974, as amended

Government:

NA

EUMED:

NA

OTHERS:

NA