



## ***Confirmation of Product Type Approval***

Please refer to the "Service Restrictions" shown below to determine if Unit Certification is required for this product. This certificate reflects the information on the product in the ABS Records as of the date and time the certificate is printed.

Pursuant to the Rules of the American Bureau of Shipping (ABS), the manufacturer of the below listed product held a valid Manufacturing Assessment (MA) with expiration date of . The continued validity of the Manufacturing Assessment is dependent on completion of satisfactory audits as required by the ABS Rules.

And; a Product Design Assessment (PDA) valid until 25/JAN/2021 subject to continued compliance with the Rules or standards used in the evaluation of the product.

The above entitle the product to be called Product Type Approved.

The Product Design Assessment is valid for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

**Product Name:** Floor Covering  
**Model Name(s):** ELTRANS Marine

**Presented to:**  
LG HAUSYS  
275, DEONGMANG-RO  
ONYANG-EUP  
ULJU-GUN  
Korea, Republic of

<b>Intended Service:</b>	For use on Ships and Offshore Installations.
<b>Description:</b>	Surface materials for floor covering (total thickness: 2.0 mm)
<b>Ratings:</b>	Low flame spread characteristics. Smoke and Toxicity Test.
<b>Service Restrictions:</b>	- . 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.
<b>Comments:</b>	- . 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 Fire Insurers Laboratories of Korea (FILK) Report Nos.: A2015-0610R & A2015-0611R dated 8 May 2015 & 7 May 2015. - . Unless specially directed by Administration, this approval is not to be construed as a substitute for Flag Administration's approval for the purpose of SOLAS 1974 as amended. - . This certificate may not be used for EU and US flagged vessels (MED and/or USCG have their own specific/requirements).
<b>Notes / Documentation:</b>	Drawing No. Correspondence, Application for Type Approval, Revision: -, Pages: 1 Drawing No. Correspondence, Declaration of Asbestos free, Revision: -, Pages: 1 Drawing No. 19513-2008-AQ-KOR-RvA, ISO9001:2008 by DNV BA, Revision: -,

Pages: 1 Drawing No. A2015-0610R, FILK Test Report for Part 5, Revision: -,  
 Pages: 1 Drawing No. A2015-0611R, FILK Test Report for Part 2, Revision: -,  
 Pages: 1 Drawing No. 01, Product Introduction, Revision: -, Pages: 1 Drawing No.  
 02, Design Index, Revision: -, Pages: 1 Drawing No. 03, Drawing, Revision: -,  
 Pages: 1

**Term of Validity:**

This Product Design Assessment (PDA) Certificate 16-BK1470793-1-PDA, dated 27/Jan/2016 remains valid until 25/Jan/2021 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.

**ABS Rules:**


The Rules applicable to this assessment are: - 2016 Steel Vessel Rules 1-1-4/7.7, 1-1 App. 3 & 4, 4-1-1/7.15. - 2016 Mobile Offshore Drilling Unit Rules 1-1-4/9.7, App. 2 & 3. - 2016 Steel Vessels Under 90 Meters in Length 1-1-4/7.7, 1-1-App. 3 & 4. - 2016 Facilities on Offshore Installations 1-1-4/7.7, 1-1-App. 2 & 3. - 2016 Offshore Support Vessels 1-1-4/7.7, 1-1-App. 3 & 4. - 2016 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 Standards:****International Standards:**

IMO Resolution MSC.307(88) adopted on 2010, IMO FTP Code 2010 (2012 Edition), Annex 1 Part 5 & Part 2, in conjunction with SOLAS 1974 (Consolidated Edition 2014), as amended.

**Government Authority:****EUMED:****Others:**

Model Certificate	Model Certificate No	Issue Date	Expiry Date
PDA	16-BK1470793-1-PDA	27/JAN/2016	25/JAN/2021



ABS Programs

ABS has used due diligence in the preparation of this certificate and it represents the information on the product in the ABS Records as of the date and time the certificate was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.