



Lloyd's Register

**Lloyd's Register EMEA (Southampton)**

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Page 1 of 1
Document number 03/00119(E3)
Issue number 1

**DESIGN APPRAISAL DOCUMENT**

Date 13 September 2019	Quote this reference on all future communications SOUTSO/ENG/MR/WP35885615
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**LLOYD'S REGISTER TYPE APPROVAL SYSTEM, 2017.**

**Issued to: INNOVATIVE MANUFACTURING INC**

**for: NoSpray Protection System**

**TYPE APPROVAL CERTIFICATE No. 03/00119(E3)**

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System, 2017 and this Design Appraisal Document forms part of the Certificate.

**APPROVAL DOCUMENTATION**

Application Checklist (Appendix to Form 2502TA/2502TA MR)	24-Oct-2018
Production Quality Assessment Report; Chicago PRJ 1110006460	26-Jul-2019
Manufacturing Agreement	----
DNV Survey Report; PP042629	25-Feb-2013
DNV Survey Report; 233187	22-Jan-2003
Chemsultants Project 13-147 Report 2	19-Mar-2013
Southwest Research Institute, Project No.; 01.06061.01.612	02-Jan-2003

**CONDITION OF APPROVAL**

"NoSpray" protection tapes are to be designed and constructed in accordance with the recognised Standard acceptable to LR. In order to maintain the approval, the manufacturer is required to confirm that there have been no changes in the production process for the material and that the site of manufacture remains unchanged.

**Supplementary Type Approval Terms and Conditions**

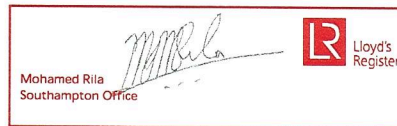
*Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.*

*Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.*

*Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

*Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.*

M.H.M.Rila,  
Senior Specialist, Engineering Systems  
Southampton TSO, Lloyd's Register EMEA.



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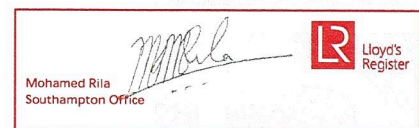
## Type Approval Certificate Extension

*This is to certify* that Certificate No. 03/00119(E2) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

<b>PRODUCER</b>	Innovative Manufacturing Inc 861 Derwent Way Delta, British Columbia, V3M 5R4 Canada
<b>PLACE OF PRODUCTION</b>	Advanced Flexible Composites (AFC) 14 Water Court Lake in the Hills, IL 60156 USA
<b>DESCRIPTION</b>	NoSpray Protection System Tapes and sheets
<b>APPLICATION</b>	For screening of pipes and fittings in accordance with SOLAS Chapter II-2, Regulation 4, Paragraph 2.2.5.3
<b>STANDARD</b>	SOLAS Chapter II-2, Regulation 4, Paragraph 2.2.5.3 IMO FTP Code - IMO Resolution A.653(16)

<b>Certificate No.</b>	03/00119(E3)
<b>Issue Date</b>	13 September 2019
<b>Expiry Date</b>	2 December 2023
<b>Sheet</b>	1 of 2



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**RATINGS**

For use on pipes and joints of:

Nominal Pipe Diameter(mm):  
 Screwed joint Up to 50 (2")  
 Flanged joint Up to 300 (12")  
 Maximum Temperature (°C): 150  
 Maximum Pressure (bar): 20.7 (300 psi)

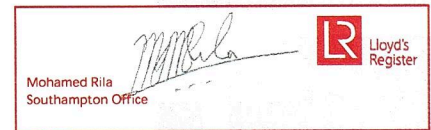
**OTHER CONDITIONS**

1. Restricted to oil pressure pipes located above the floor plates and which have no insulation in way of the joints.
2. Use is restricted to easily accessible positions where the integrity of the application may be inspected regularly and new covering applied after removal for maintenance purposes.
3. In all cases the tapes and sheets are to be installed in accordance with the manufacturer's instructions and application manual.

*"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."*

*The Design Appraisal Document No. 03/00119(E3) and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

**Certificate No.** 03/00119(E3)  
**Issue Date** 13 September 2019  
**Expiry Date** 2 December 2023  
**Sheet** 2 of 2



**M.H.M.Rila**  
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