



Marine Design Appraisal Document

Lloyd's Register North America, Inc.
Miami Design Support Office
Suite 530
1000 S. Pine Island Road
Plantation, FL 33324

Date
25 January 2010

Quote this reference on all future communications
MDSO/JV/O-10015

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LRTC 10-60002 (E1)

Roxul Inc. - A-60 Class Bulkhead insulated on one side with "Roxul RHM 60A" (thickness 76/38mm, density 96kg/m³)

This Design Appraisal Document forms part of the Certificate LRTC 10-60002 (E1).

APPROVAL DOCUMENTATION

This certificate is issued on basis of Lloyd's Register Certificate of Fire Approval Cert No. SAS F090281 and the tests listed there in.

CONDITIONS OF CERTIFICATION

1. When used in conjunction with a steel bulkhead.
2. Insulation system comprises of: 76mm thick Roxul RHM 60A applied between the stiffeners and retained by steel pins and washers at maximum 305mm x 305mm centres. An additional layer of 38mm thick Roxul RHM 60A is applied over the stiffeners and retained by steel pins and washers at maximum 305mm centres.
3. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype.

PLACE OF PRODUCTION

Roxul Inc.
551 Harrop Drive
Milton, ON
Canada L9T 3H3

Roxul Inc.
6526 Industrial Pakway
Grand Forks, BC
Canada V0H1H0

FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

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Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein 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 North America, Inc. reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.



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