



CERTIFICATE NO. T.C.263.F2.078
 CERTIFICAT N°

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TRANSPORT CANADA
BOARD OF STEAMSHIP INSPECTION
CERTIFICATE OF APPROVAL

TRANSPORTS CANADA
BUREAU D'INSPECTION DES NAVIRES À VAPEUR
CERTIFICAT D'APPROBATION

THIS CERTIFIES THAT THE ITEM SPECIFIED HEREIN HAS BEEN APPROVED BY THE BOARD OF STEAMSHIP INSPECTION, IN ACCORDANCE WITH THE PROVISIONS OF THE CANADA SHIPPING ACT AND REGULATIONS MADE THEREUNDER AND SUBJECT TO CONDITIONS SET FORTH ON THE REVERSE SIDE.

LES PRÉSENTES FONT FOI QUE L'ARTICLE MENTIONNÉ DANS LE PRÉSENT CERTIFICAT A ÉTÉ APPROUVÉ PAR LE BUREAU D'INSPECTION DES NAVIRES À VAPEUR, CONFORMÉMENT AUX DISPOSITIONS DE LA LOI SUR LA MARINE MARCHANDE DU CANADA ET DE SES RÉGLEMENTS D'EXÉCUTION ET SOUS RÉSERVE DES CONDITIONS FIGURANT AU VERSO.

ISSUED TO - TITULAIRE THERMAX BRANDSCHUTZBAUTEILE GESELLSCHAFT mbH Nordlandstrass 1, A-3300 Greinsfurth AUSTRIA
ITEM - L'ARTICLE NON COMBUSTIBLE MATERIAL - PANELS THERMAX TYPE SN and SN 650 Vermiculite Panels
DESCRIPTION "THERMAX Type SN and SN 650 vermiculite panels" provided in the following thickness: 8, 9, 10, 12, 16, 19, 22 and 25 mm with densities varying from 720 to 850 kg/m ³ for the Thermax Type SN and in 16, 19, 22 and 25 mm all with a density of 650 kg/m ³ ± 10% for the Thermax Type SN 650. To be in accordance with the conditions described in the attached schedule.
REMARKS - REMARQUES 1. This approval is based on tests carried out by the Southwest Research Institute (SwRI) on a prototype unit described in Test Reports Project No. 01.04917.01.605a and Projet No. 01.04917.01.605b both dated July 2002. 2. The test complies with ISO 1182 and Part 1 of Annex 1 to IMO Resolution MSC.61 (67) FTP Code and with SOLAS Chapter II Reg. 3.2. 3. The validity of this certificate is contingent upon United States Coast Guard Certificate of Approval remaining in force. 4. Conditions of approval are specified on reverse side of this certificate. 5. Schedule attached forms part of this certificate.

This approval supersedes approval number F2-78 dated June 13, 1995
 La présente approbation remplace l'approbation n° datée du

This certificate is not transferable and is effective until January 31, 2009 unless cancelled or suspended by proper authority.
 Le présent certificat ne peut pas être cédé et il est valable jusqu'au à moins d'annulation ou de suspension par l'autorité compétente.

January 8, 2004
 Date


 Deputy Chairman Board of Steamship Inspection
 Vice président du Bureau d'Inspection des navires à vapeur



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SCHEDULE OF APPROVAL

APPLICATION / LIMITATION:

1. Approved as a non-combustible material.
2. The "THERMAX Type SN and SN 650 vermiculite panels" are to have a nominal density of 720 to 850 kg/m³ for the Thermax Type SN and 96 kg/cubic meter and of 650 kg/m³ ± 10% for the Thermax Type SN 650 and be of the same composition as these tested by the Southwest Research Institute (SwRI) and described in Test Reports Project No. No. 01.04917.01.605a and Projet No. 01.04917.01.605b both dated July 2002.
3. The minimum thickness must be of 8 mm for the Thermax Type SN and of 16 mm the Thermax Type SN 650.

MARKING:

Manual (or instruction) for installation, use and maintenance must be provided in both official languages French and English. It is the responsibility of the manufacturer to ensure that the container in which the material is packed is identified with respect to its trade name and assigned fire rating.

CONDITIONS:

1. This approval is granted on the understanding that the Board of Steamship Inspection reserves the right to require check tests to be carried out on the "THERMAX Type SN and SN 650 vermiculite panels" at any time and that THERMAX BRANDSCHUTZBAUTEILE GESELLSCHAFT will accept the responsibility for informing ship owners, naval architects, shipbuilders and their sub-contractors of the proper methods of fitting and general maintenance of the approved equipment and of the conditions of this approval.
2. The "THERMAX Type SN and SN 650 vermiculite panels" are to prove satisfactory in service.
3. This certificate may be suspended or cancelled if the manufacturer deviates from any of the conditions described herein without the prior consent of the Board of Steamship Inspection.
4. Subject to the completed installation being to the satisfaction of the attending Transport Canada Marine Inspector.

End of Certificate



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