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Certificate N°:
14086/A0 BV

The attached Schedule forms part of the certificate

File Number : ACM 136/2102/01
Product Code : 2180H



CERTIFICATE OF TYPE APPROVAL

This is to certify that the product identified below was found to be in compliance with the relevant hereunder stated Regulations & standards

ANTI-SPRAYING PIPE FLANGES & JOINTS SYSTEMS NoSpray Protection System (IM 2002)

MANUFACTURED BY:


NoSpray Protection Systems Ltd.
Delta - British Columbia - CANADA

SPECIFIED REGULATIONS & STANDARDS :

- BUREAU VERITAS Rules for the Classification of Steel Ships
- 1974 SOLAS Regulation II-2/15.2.11 (II-2/4.2.2.5.3 of the amendments 2000)
- IMO FTP Code Resolution A.653 (16)

The Approval is valid until : 27-09-2009

BUREAU VERITAS VANCOUVER


F. ROSAS
BVN Lead Surveyor



At Paris la Défense, on : 27-09-2004


J. BENOIT
For the Secretary

This Certificate remains valid until the date stated on, hereunder, unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory into service.

This Certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested.

This Certificate is not valid without the stamp of the above mentioned BUREAU VERITAS Inspection Center.

The manufacturer should notify BUREAU VERITAS of any modification or changes to the equipment in order to obtain a valid Certificate.

The latest published Regulations or Standards referred to, above, and the Marine Division General Conditions are applicable.



THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

NoSpray Protection System (IM 2002)

- Product description

NoSpray Protection System is an aluminium/glass cloth jacketing system, is available in tape or sheet format and is coated one side with a silicone adhesive for ease of installation.

- Product specifications of NoSpray sheet or tape

Format x 10 meters	35, 50, 140, 250, 500, 1000 mm
Total thickness	9.5 mm for all size
Temperature range	Maximum 150 °C (300 °F) fluid temperature
Maximum pressure	2 MPa (300 psi)
Colour	Silver

2. DESIGN DRAWINGS and/or SPECIFICATIONS

- Manufacturer's catalogue
- Documents for type approval

3. TYPE TEST REPORTS / LABORATORY RECOGNITION STATUS

Tests carried out and found in order:

- Peel adhesion, release, tensile and elongation, total caliper as per the test report Project 03-117 dated 27/01/2003 issued by Chemsultants, Inc.
- Surface flammability tests as per the test report Project 01.06061.01.612 dated 23/01/2003 issued by the Southwest Research Institute.

4. MATERIALS and/or COMPONENTS REQUIRED TO BE TYPE APPROVED

Nil.

5. OTHER MATERIALS and/or COMPONENTS

Nil.

6. APPLICATION / LIMITATION OF USE

6.1 The NoSpray Protection System may be used for screening in systems for fuel oil, lube oil and other flammable with pipe flanges and joints complying with the 1974 SOLAS Regulation II-2/15.2.11 (II-2/4.2.2.5.3 of the amendments 2000).

6.2 The approval is restricted to piping systems which are readily accessible for maintenance and inspection purposes.

6.3 The NoSpray Protection System cannot be used for pipes insulation, or as replacement for pipe gaskets and sealings.

7. PRODUCTION SURVEY REQUIREMENTS

Arrangement shall be made for the Society's Surveyor to carry out, on a periodic basis, visits of the Manufacturer's premises and product audits.

8. ON BOARD INSTALLATION & MAINTENANCE REQUIREMENTS

8.1 The manufacturer has to inform its clients about proper methods of application instructions and general maintenance of the NoSpray Protection System (IM 2002).

8.2 The on-board installation is to be satisfactorily witnessed by the Bureau Veritas's Surveyor for each application on board ships.

9. MARKING FOR IDENTIFICATION

The product or packing is to be marked according to manufacturer' specification with at least:

- Manufacturer name or logo
- Format
- Fire-technical rating

10. OTHERS

Nil.

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