



MARINE DIVISION

Certificate number: 14086/B0 BV

File number: ACM 136/2102/01

Product code: 2180H

*This certificate is not valid when presented without the full attached schedule composed of 7 sections*

www.veristar.com

## TYPE APPROVAL CERTIFICATE

*This certificate is issued to*

### NoSpray Protection Systems Ltd.

Delta - British Columbia - CANADA

*for the type of product*

### ANTI-SPRAYING PIPE FLANGES & JOINTS SYSTEMS

NoSpray Protection System (IM 2002)

#### Requirements:

- BUREAU VERITAS Rules for the Classification of Steel Ships
- SOLAS 74 as amended, Regulation II-2/4
- IMO resolution MSC.61(67), Annex 1, Part 5; resolution A.653(16)

*This certificate is issued to attest that BUREAU VERITAS did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.*

**This certificate will expire on: 04 Sep 2014**

**For BUREAU VERITAS,**

At BV PORT EVERGLADES CENTRE, on 04 Sep 2009,

Flavio Rosas



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

## THE SCHEDULE OF APPROVAL

### 1. PRODUCT DESCRIPTION

#### **NoSpray Protection System (IM 2002)**

##### 1.1 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.

##### 1.2 Product specifications of NoSpray sheet or tape

Format Width x Length	35 mm x 10 m, 50 mm x 10 m, 140 mm x 10 m, 250 mm x 10 m, 500 mm x 10 m, 1000 mm x 10 m
Total thickness	9.5 mm for all size
Max. Temperature	150 °C (300 °F) Fluid temperature
Maximum Pressure	2 MPa (300 psi)
Colour	Silver

### 2. DOCUMENTS AND DRAWINGS

- Manufacturer's catalogue
- Documents for type approval

*No departure from the above documents shall be made without the prior consent of the Society. The manufacturer must inform the Society of any modification or changes to these documents and drawings.*

### 3. TEST REPORTS

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. APPLICATION / LIMITATION

4.1 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).

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

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

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

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

### 5. PRODUCTION SURVEY REQUIREMENTS

5.1 The products are to be manufactured, examined and tested by the manufacturer in accordance with the type described in this certificate and Bureau Veritas Rules stated on the front page of this certificate.

5.2 Production sites are to be recognized by Bureau Veritas as per NR 320 for HBV products. To this end, the manufacturer has to make the necessary arrangements for a Society's Surveyor to perform visits and product audits at the production sites.

5.3 The manufacturer has declared to Bureau Veritas that the products detailed in this certificate are completely assembled and tested at Scapa North America Inc. 746 Gotham Parkway Carlstadt, NJ 07072 USA.

5.4 Bureau Veritas certificate is not required for the product to be fitted on board units to be classed with Bureau Veritas.

### 6. MARKING OF PRODUCT

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

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

**7. OTHERS**

7.1 This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the units at any time and that the manufacturer will accept full responsibility for informing shipbuilders, shipowners or their sub-contractors of the proper methods of use and general maintenance of the products and of the conditions of this approval.

7.2 This certificate supersedes the Type Approval Certificate N° 14086/A0 BV issued on 27/09/2004 by the Society.

**\*\*\* END OF CERTIFICATE \*\*\***