DNV·GL

Certificate No:
TAP000012X

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Miscellaneous Fittings for Pressurised Equipment

with type designation(s)
SprayStop Standard, SprayStop 50 Plus (one layer)

Issued to
T-ISS B.V.
Dinxperlo Gelderland, Netherlands

is found to comply with
DNV GL rules for classification – Ships

Application :

Screening of pipe joints and fittings in accordance with SOLAS Chapter II-2, Regulation 4, item 2.2.5.3

Type:	Temperature range:	Design pressure:	Operating media:
SprayStop Standard	150 degrees Celsius	15 barg internal pressure	Fuel oil, lube oil and other flammable oils
SprayStop 50 Plus (one layer)	150 degrees Celsius	37 barg internal pressure	Fuel oil, lube oil and other flammable oils

Issued at **Høvik** on **2017-08-31**

This Certificate is valid until **2022-08-30**.
DNV GL local station: **Rotterdam, Offshore & Newbuilding**

Approval Engineer: **Ole Henrik Kverndal Pedersen**

for **DNV GL**

Digitally Signed By: Torill Grimstad Osberg
DNV GL Høvik, Norway

Torill Grimstad Osberg
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

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Place of production;

KNW (Slippack)
201 Soraul,
Gwangton Miyu,
Paju-Si, Korea

Product description

For use in engine rooms or other enclosed spaces as wrapping around possible sources of leakage in fuel oil piping to help prevent fuel spray in event of a leak, as a mean of meeting the requirements of the IMO SOLAS, Chpt. II-2, Reg.4, 2.2.5.3.

Reference is also made to IMO FTP Code – IMO Resolution A.653 (16).

Size range: 15 mm till 1000 mm width / 10m length. The tape is manufacturered by KNW, Korea, and cut to specified sizes at T-ISS, Dinxperlo, The Netherlands.

SprayStop tapes are multilayer aluminium/glass cloth/release liner with a special adhesive for installation. SprayStop Standard is produced with woven fabric while T-ISS SprayStop 50 Plus is produced with knitted fabric.

When SprayStop 50 Plus is installed according to manufacture instruction (minimum 2 layers), SprayStop 50 Plus can hold pressures till 50 barg.

Application/Limitation

The extent of use is limited to spray shielding applications on oil pressure pipes located above the floor plates and which have no insulation in way of the joints. Use is also restricted to readily accessible positions where the integrity of the application may be inspected regularly, and new covering will be applied after removal for maintenance purposes.
The fitting of T-ISS Spray-Stop-Tape is to be carried out in accordance with the Manufacturer's instructions. The T-ISS Spray-Stop-Tape cannot be used for pipes insulation, or as replacement for pipe gaskets and sealings.
A drain hole shall be provided to ensure that in case of a leackage oil spray will be avoided and that the oil will be drained to a safe position.

Type Approval documentation

Union Tack Co.Ltd., Report No. UTCK 050816-1, dated 16 August, 2005; Adhesive test, tensile test, pressure test,
temperature resistance test, surface flammability test.
• Fire Insurers Laboratories of Korea, Suface Flammability Test,No. 20050289, dated June 21, 2005, in accordance with
IMO Resolution A.653(16).
• Independent Laboratory Textile Lab., Report No. T2012-303590-004, dated 11 December 2012; Determination of
puncture impact, in accordance with DIN EN ISO6603-2.
• KNW., Report No. KWQAO20110402TISS, dated 2 April 2011; Adhesive Strength and Tensile Strength
• KNW., Report No. KWQAP20110706TISS, dated 6 July 2011; Adhesive Strength and Tensile Strength
• KNW., Report No. KWQAP20111215TISS, dated 15 December 2012; Adhesive Strength and Tensile Strength
• KNW., Report No. KWQAP20120319TISS, dated 19 March 2012; Adhesive Strength and Tensile Strength
• KNW., Report No. KWQAP20120710TISS, dated 10 July 2012; Adhesive Strength and Tensile Strength
• KNW., Report No. KWQAP20120919TISS, dated 19 September 2012; Adhesive Strength and Tensile Strength
• KNW., Report No. KWQAP20130215ATISS, dated 15 February 2013; Adhesive Strength and Tensile Strength

- KNW., Report No. KWQAP20130215BTISS, dated 15 February 2013; Adhesive Strength and Tensile Strength
- Test report FILK No. 20050289, dated 21 June 2005
- UTC Korea no. UTCK 050816-1/Test report TEXTILE LAB No. T2012-303590-003, dated 11 December 2012
- QMS Reistration Certificate – DIN EN ISO 9001:2008
- Spray Stop Anti Splash tape installation instruction

Marking of product

Manufacturer's Name & Product Type.
DNV GL Type approval No. TAP000012X

Periodical assessment

For retention of the Type Approval, a DNV GL Surveyor shall perform a periodical assessment after two years, after three and a half year and before the expiry date of this certificate to verify that the conditions for the type approval are complied with. The main elements of the certificate retention survey are:
- Review of Type Approval documentation
- Review of possible changes in design, materials and performance
- Ensure traceability between manufacturer's product type marking and Type Approval Certificate.

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