

Fully compliance with SOLAS Regulation II-2/15.2.11

TYPE APPROVED:

ClassNK	BV	UL
ABS	GL	RINA
LRS	NV	KR
CCS		

FN TAPE

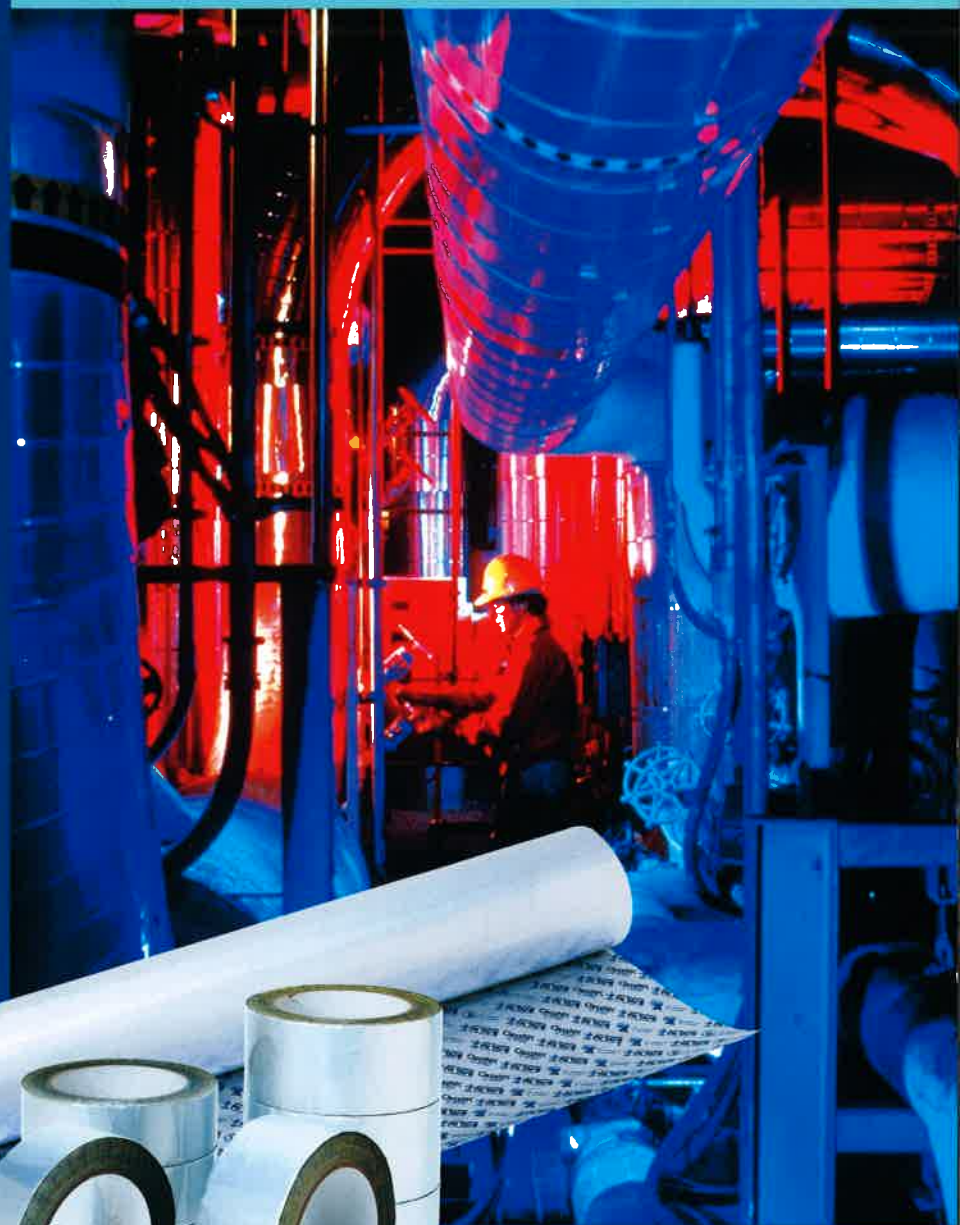
ANTI-SPLASHING TAPE



**Seatrade
AWARDS**

1999

Certified by "Sea Trade Awards"
by chairman of IMO for one of
a high commended Contribution
to Safety At Sea in 1999.



■ Patented by :

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FN TAPE

ANTI-SPLASHING TAPE FOR SHIP'S ENGINE ROOM



FN Tape can prevent outbreak of fire caused by a splash of flammable oil various kinds (fuel oil / lubricating oil) in ship's engine room by just taping on pipes and joints.

IMO (International Maritime Organization) has amended SOLAS regulation II-2 / 15. 2. 11 concerning provisions for the prevention of fire in the engine room including fires caused by the splashing of flammable fluids such as fuel oil, lubricating oil and so on from piping. The amended SOLAS regulation shall enter into force on 1 July 1998 for new ships with more than 375kw output power after that date, **while running vessels constructed before that date shall comply with the requirements of it no later than 1 July 2003.**

FEATURE

1 THE BEST FIRE PREVENTIVE MEASURE

What you need is only taping in order to prevent splashing of combustible oil.

2 OUTSTANDING INCOMBUSTIBILITY

The tape consisted of aluminum foil and incombustible woven fabric, does not burn even when brought in contact with fire.

3 EXCELLENT TOUGHNESS

Owing to high strength of the inner woven fabric, the tape can withstand prominent pressure of 1.96 ~ 2.94 Mpa when applied properly.

4 SUPER STORAGE ABILITY

Having outstanding oil/wear/weather resistance, the tape can be stored for an extended period of time.

5 EXCELLENT TACKINESS

Natural setting type of adhesive, which sets naturally after taping.

6 EASY APPLICATION

You do not need any special tools or experience to apply or remove the tape. The tape can be used easily by anybody.

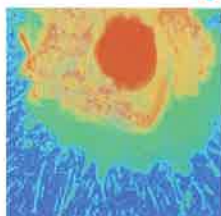




ClassNK



Flame Retardant
E56086



Through simple taping work at low cost, you can easily prevent splashing of fuel oil.



Re: If you need above copies of Certificate, please contact to us.

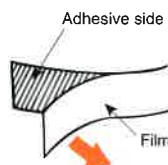
HOW TO APPLY FN TAPE

©Please apply FN Tape so that approved LOGOs and their numbers should be necessarily outside(surface side).

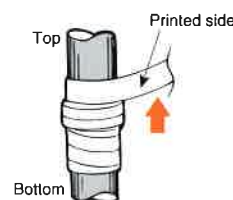
1 Before placing the tape, using scissors, etc., cut it in length slightly longer than you need with the separator film still unremoved.



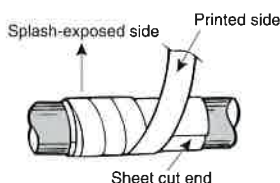
2 When taping, as gradually peeling the film, apply the tape on the pipe. Be careful not to peel the film completely before application, as the exposed adhesive catches dust, oil, etc., thus causing adhesion failure.



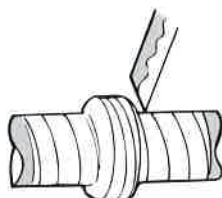
3 Apply the tape with care so that a new winding overlaps the preceding one by more than 1/3 in its width. Although no extra force is needed in application, tape with care especially the part which is likely to be exposed to splashes.



4 When taping is imperfect because of complicated shape, cut FN sheet into size enough for two windings round the part and cover the part with the sheet before applying the tape. Place the sheet so that the cut end comes on the opposite of the splash-exposed side.



5 Use scissors, a cutter, etc. to remove FN tape. Removed tape can not be re-used.



6 Keep FN tape in a box with the separator film unremoved. Avoid placing the box in a place exposed to direct sunlight or ultraviolet rays.



(Reference) Details of approval by Lloyd's Register (LR)
·For use : On pipes and joints for heavy fuel oil
·Nominal diameter : $\phi 6 \sim \phi 300$ (mm)
·Maximum temperature : 423K (150°C)
·Maximum pressure : 1.5 (Mpa)

<NOTE> FN sheet can effectively serve as a shield screen or a cover. Neither the sheet nor the tape, however, can serve to prevent leakage.

Please handle with care so as not to injure your fingers because of cut end of FN Tape may being keen.

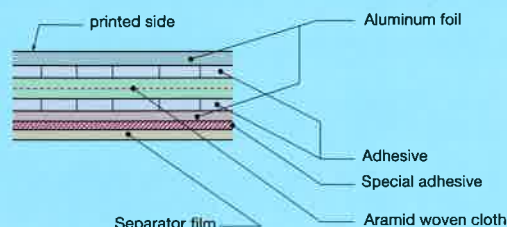
CONSTRUCTION AND SPECIFICATION OF FN TAPE.

Material construction of Tape;

Aluminum foil is superimposed on both sides of incombustible aramid woven cloth to form a laminated structure. A special adhesive agent is applied to the one side of it and then covered with a thinner separator film. On the other side of it, ship classification societies' Logos are printed together with their type-approved numbers to show that FN Tape has been certified by them in respect to having fully complied with SOLAS regulations concerned.

Construction of Tape Material:

Aluminum foil is superimposed on both sides of aramid woven cloth to form a laminated structure. An adhesive agent is applied to one side and covered by a separator film.



Specification of Tape;

Items	Characteristics
Tensile strength	295N/10mm width
Peel adhesion	6.9N/10mm width
Shear adhesive strength	98N/20mm×20mm
Pressure resistance	Neither breakage nor leakage occurs under a pressure of 4.9Mpa/cm ² to a φ 1mm hole with a single tape layer applied.
Heat resistance	113K~ 473K (practical strength maintained) 703K (Carbonization, Self-snuffing action)
Oil resistance	Inactive with respect to heavy oil, light oil, gasoline, lubricating oil, etc.
Weatherability	Weathermeter test for 72 hours; No abnormality

Details for Standard FN Tape and Sheet

Code No.	Size Wide × Length/Roll	Package per Carton		
		Contents	Measurement (cm) L × W × H	Gross Weight (kg)
FN892-35	35mm × 10m	28 rolls	25 × 25 × 28	6.5
FN892-50	50mm × 10m	20 rolls	25 × 25 × 28	6.5
FN892-140	140mm × 10m	7 rolls	15 × 15 × 105	7.0
FN892-250	250mm × 10m	4 rolls	15 × 15 × 105	7.0
FN892-500	500mm × 10m	2 rolls	15 × 15 × 105	7.0
FN892-1000	1000mm × 10m	1 roll	15 × 15 × 105	7.0

For Running vessels Kit form of FN Tape

Table

Code No.	Masurement Wide×Length/Roll	Small Box		
		Contents	Gross Weight	Measurement(mm)
S-310	35mm × 10m	10 rolls	3.2kgs	125×125×370
S-507	50mm × 10m	7 rolls	3.2kgs	
S-3454	35mm × 10m	4 rolls	2.4kgs	
	50mm × 10m	4 rolls		
S-14136	140mm × 10m	1 roll	2.4kgs	
	35mm × 10m	6 rolls		
S-14154	140mm × 10m	1 roll	2.5kgs	
	50mm × 10m	4 rolls		
S-14232	140mm × 10m	2 rolls	2.3kgs	
	35mm × 10m	2 rolls		

Example of Small Box Packing

Delivery Unit:
Carton Box Packing in Small Box 4pcs
Package Size:
270mm×270mm×370mm



Agent