

# SOLAS TAPE Buyer's Guide

The properties and  
differences explained



# BUYER'S GUIDE

## BACKGROUND

At NSS we offer a wide selection of varying safety- and protection tapes. As you may have noticed, we offer several tapes that all have a different, unique purpose. These tapes are all designed to prevent, protect, mark, or stick to objects. In this Buyer's guide we would like to explain the properties and differences between the various SOLAS Tapes we offer at NSS, and show you which tapes to use in which cases.

In this Buyer's guide several types of tapes will be discussed and reviewed. The tapes are subdivided in the following categories:

- Anti-Corrosion tapes (CorStop, RustStop)
- Anti-leak / Splashing tapes (SprayStop, SprayControl, PipeRepair)
- Insulation tapes (HeatStop, DripStop)
- Marking tapes (Retro Reflective, Reflective Zebra, SlipStop, Floor, LightLine)
- Additional tapes (Foam, HatchCover)

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## CorStop tape

Category: Anti-corrosion tapes

### What is it?

The first product in our range of anti-corrosion tapes is our CorStop tape, which is available in the sizes 25 mm, 50 mm and 100 mm. The product works as follows; when two different types of metals, for example tubing systems, are attached to each other, it is very likely rust will arise between the two. By applying T-ISS CorStop tape, the tape will have a sacrificing role in the oxidation process. Instead of the two metals that are attached to each other, the CorStop tape will oxidize and so protect the two metals. The same principle is put into practice on vessels; anodes are placed on the ship's hull. These anodes will rust instead of the hull which results in a hull that's rust-free for a longer period of time.



A roll of CorStop tape



CorStop is available in 25, 50 and 100 mm width

### When to use it?

First of all, you could use CorStop when fixing steel structures together. When you apply CorStop in these situations, you will prevent galvanic corrosion and your materials will last a lot longer. Also, the fluids or goods that are transported in, for example, tubing systems, will not be exposed to corrosion. This way, the corrosion will not affect the transported product. A sacrificing product like CorStop could also be used in other cases; for example as an anode on a ship's hull.

## RustStop tape

Category: Anti-corrosion tapes

### What is it?

RustStop tape consists of three main items, the base being a specially designed bandage. During the production process this bandage is processed with two more items; a high-quality rust-resistant mixture between oil and grease. Combining all these items results in RustStop tape. Tubing systems or other structures that are sensitive to rust can simply be wrapped with RustStop tape. Due to the oil and grease mixture in the tape the oxidation process won't have a chance to start, which means the tubing or structure in question will be protected.



The two available sizes; 50 mm and 100 mm



RustStop applied underneath a bridge

### When to use it?

RustStop is an ideal product to protect the exterior of structures. These structures must be made of steel or another type of metal. Also, RustStop will protect these structures against corrosion when they are under water. Finally, harsh weather conditions won't be a problem for RustStop.



## SprayStop tape

Category: Anti-leak / splashing tapes

### What is it?

SprayStop is one of our best known products, and for a reason; SprayStop is the best, most certified anti-splashing tape on the market. SprayStop is a high-tech laminated multilayer aluminum tape that is designed to prevent dangerous spray-outs in tubing systems. Like you can imagine, spray-outs in engine rooms for example, can be highly dangerous. According to the SOLAS regulations, appropriate protection needs to be installed on these tubing systems. SprayStop meets these regulations which gives you a quick and safe solution that many people and organizations around the globe use and appreciate.



SprayStop roll cutted to 100 mm width



SprayStop being applied

### When to use it?

SprayStop is a simple choice when you want to meet the SOLAS regulations according to FO, LO, Hydraulics and other tubing / piping systems that contain pressure up to 15 bar. Also, SprayStop is an ideal product when you want to protect tubing systems outside of engine rooms against spray-outs or leakages of hazardous liquids.

### Certificates

SprayStop holds several highly appraised certificates: (also applicable for SprayStop 50+)

- Bureau Veritas (BV)
- Det Norske Veritas (DNV-GL)
- Nippon Kaiji Kyokai (ClassNK)
- Korean Register (KR)
- Lloyd's Register
- Registro Italiano Navale (RINA)
- American Bureau of Shipping (ABS)
- China Classification Society (CCS)

## SprayStop tape 50+

Category: Anti-leak / splashing tapes

### What is it?

SprayStop has a slight difference compared to the regular version. Standard SprayStop will hold pressure up to 15 bar. SprayStop 50+ extends this limit to 50 bar. This means SprayStop 50+ will be particularly suitable for tubing systems that transport liquids under high pressure. Of course SprayStop 50+ can be used under the same circumstances as our standard SprayStop tape.

### When to use it?

SprayStop 50+ can be used in the same circumstances as standard SprayStop, but will hold pressure up to 50 bar instead of the standard 15 bar limit standard SprayStop has.

## SprayControl tape

Category: Anti-leak / splashing tapes

### What is it?

SprayControl tape is very similar to SprayStop tape but differs in several points. First of all, the product is mainly used to protect chemical installations against spray-outs. SprayControl is a product that allows you to upgrade your safety situation according to pipeline systems on chemical plants. The tape prevents damages towards people, machinery and other pipes present in the area. SprayControl can protect chemical tubing systems that have a temperature between -30 °C and 75 °C, and will handle pressure up to 35 bar.



Close-up of a roll of SprayControl



SprayControl being applied

### When to use it?

You should consider SprayControl when you want to protect tubing systems in chemical installations. SprayControl will prevent accidents and leakages from happening, which will protect all surrounding people from accidents. SprayControl is suitable for tubing systems that have a content temperature of -30 °C up to 75 °C.



## PipeRepair tape

Category: Anti-leak / splashing tapes

### What is it?

In case of unforeseen or spontaneous leakages on board of a vessel, it's clever to have a product that solves these problems in a quick and easy way. T-ISS PipeRepair is a compact package that contains all necessary items to repair said leakages in an instant. The kit contains a repair tape, a putty, a set of protective gloves, a piece of sandpaper and an instruction manual. The versatility of this product excels in the fact that it's applicable under water, has a quick setting time, and only needs water to activate. In short; PipeRepair is a safe, compact and cost-effective solution for unforeseen leakages on-board.



PipeRepair box with its contents



PipeRepair being applied

### When to use it?

PipeRepair is a product that comes in handy in a lot of occasions. The product is ideal for solving unforeseen leakages on the fly. It is a multi-purpose product that seals leaks, is a reinforcement for tubing systems and will give an object electrical protection. All in all; PipeRepair is a great product to have in your toolbox.

### Certificates

T-ISS PipeRepair tape holds the Water Regulations Advisory Scheme (WRAS) certificate.

## HeatStop tape

Category: Insulation tapes

### What is it?

If you're looking for a product that insulates heat; look no further. T-ISS HeatStop protects surfaces and lowers temperatures in a highly effective way. For example; a 180 °C tube will decrease to a temperature of 60 °C when HeatStop is applied. This is an extraordinary performance compared to competitive fiber tapes that will only cool down to a temperature of 95 °C. Also worth mentioning; HeatStop is produced using materials that are environmentally friendly for 100%. that replace hazardous glass and / or ceramic fibers that can be dangerous to your health.



A roll of HeatStop tape



HeatStop applied on a tube

### When to use it?

In the maritime and offshore industry there are many occasions in which temperature reduction is desirable. HeatStop drastically reduces the temperature of tubing systems and does this being an environmentally friendly product. A state-of-the-art product that's highly effective, environmentally friendly and not dangerous for your health in any way.



## DripStop tape

Category: Insulation tapes

### What is it?

DripStop is a very versatile product that can be used for various applications; an all-rounder. It's a very compact product that doesn't require any additional tools or products to use. The product itself can be installed without creating a mess; the product sticks to itself. So, it's easy to install and a versatile product. But what does it do? That's where DripStop tape excels; the product does several things. It will protect installations from leaks and splashing, will seal tubing that contains air or powders, but is also able to protect objects from corrosion or exposure to salts, water or weather conditions. It can be used to protect and insulate cables and will be a great help when it comes down to daily, versatile maintenance jobs.



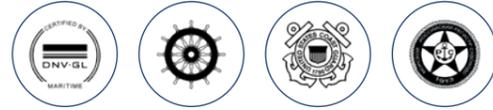
A roll of DripStop tape



DripStop applied on a tube

### When to use it?

DripStop is a great all-rounder and an ideal product to have in your toolbox or workshop. It's a compact product that's very easy and quick to install. DripStop will protect against leakages, insulates against heat, prevents corrosion and much more.



## Retro Reflective tape

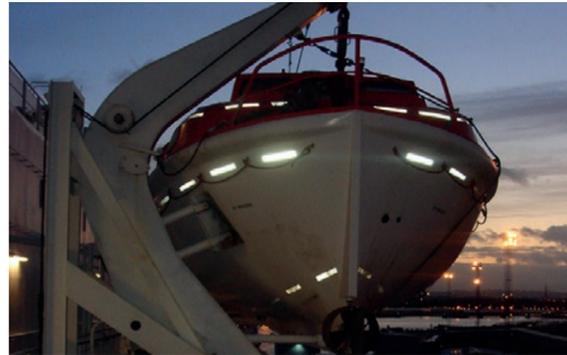
Category: Marking tapes

### What is it?

T-ISS Retro Reflective tape, otherwise known as SolaxFlex tape, is a reflecting tape that uses an encapsulated lens sheeting. The lens ensures that the product is highly reflective over a wide range of entrance angles, whether dry or wet. This sheeting has a flexible and highly transparent film. Combined, these components result in an extremely bright reflection; one of the highest intensities available on the market. The product is praised for its long durability, high brightness and anti-delamination.



A roll of Retro Reflective tape



Retro Reflective tape applied on a life boat

### When to use it?

Retro Reflective tape is mainly used to reflectorize SOLAS life support equipment. Examples of these are life vests, life boats and life rafts. By applying Retro Reflective tape the equipment will be highly visible when for example helicopter lights are used to search for these objects. Also, Retro Reflective tape can be both pasted and stitched to surfaces, which makes it a highly versatile product.

### Certificates

T-ISS Retro Reflective tape holds several highly appraised certificates: (also applicable for SprayStop 50+)

- Det Norske Veritas (DNV-GL)
- US Coast Guard (USCG)
- Wheelmark
- Russian Register (RR)

## Reflective Zebra tape

Category: Marking tapes

### What is it?

The most striking product in our range of marking tapes is Reflective Zebra tape. This product is highly effective when it comes down to providing safety and protection. When compared to a white wall, this product is 200 (!) times more reflective. Combined with a red and white or black and yellow pattern, it's an outstanding and notable product. Therefore, it is an ideal product to prevent hazardous situations and accidents. When you are looking for a photoluminescent version of this tape, please look at our range of LightLine tapes.



Two rolls of Reflective Zebra tape



Reflective Zebra tape applied

### When to use it?

Reflective Zebra tape is very effective when it comes down to the marking of hazardous situations on ships, buildings and situations where high reflectibility is needed. When you're looking for a product that's highly reflective and has a striking Zebra pattern in White / Red or Black / Yellow.

## SlipStop tape

Category: Marking tapes

### What is it?

Mainly used as a product to stand out and prevent slipping, SlipStop is an ideal product in environments like staircases, walkways and areas that need to be marked. SlipStop can be used both in- and outdoors to prevent accidents and protect people against slippery surfaces. A simple product, but with extraordinary quality and durability. The tape is available in a low-profile black version, but also in a more striking Yellow / Black pattern.



Two rolls of SlipStop tape



SlipStop tape applied on a staircase

### When to use it?

SlipStop is a simple product; it is used to mark area's or objects that could be hazardous. It gives slippery area's that extra grip that is required to prevent accidents from happening.

## Floor tape

Category: Marking tapes

### What is it?

Ideal for warehouses and factory floors; T-ISS Floor tape. This high-quality marking tape allows you to mark certain area's on your floor. For example; when you would like to mark an area where goods need to be unloaded, Floor tape would be the ideal solution. The product has an extremely good durability which means you can drive it over with forklifts, pump trucks and hand trucks no problem. The tape will hold up and areas will remain highlighted.



A roll of Floor tape



Floor tape applied on a warehouse floor

### When to use it?

A simple product with an effective purpose; marking floor area's in warehouses, factory floors and other business applications.

## LightLine tape

Category: Marking tapes

### What is it?

Our range of LightLine tape consists of various photoluminescent tapes that are a great, proven method to indicate escape routes. All LightLine tapes comply with the IMO and SOLAS regulations, and have a Lloyd's Register approval. LightLine tape is offered in various reflecting qualities. Also, red, green and black striped versions are available. At last, we offer stickers that can be fixed to the tape which allows you to indicate staircases, escape routes, assembly stations and exits.



Several rolls of LightLine tape



LightLine tape and its afterglow effect

### When to use it?

LightLine tape is great when you are looking for a flexible, multifunctional product instead of standard LLL products. Also, LightLine tape is a great option when you are looking for a photoluminescent version of our Reflective Zebra tape.

## Foam tape

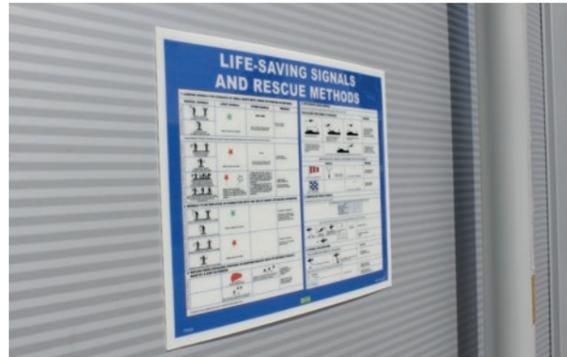
Category: Additional tapes

### What is it?

Foam tape is a no-nonsense product; it's an adhesive tape. But not just that; Foam tape is one of the strongest and sturdiest adhesive tapes on the market. It holds up to 1.8 kg / 25 mm which makes it an ideal product to permanently fix objects to a surface. Foam tape has a great chemical resistance which allows the tape to set in harsh weather and / or outdoor conditions. The product has a protective layer which means you can fix Foam tape to an object, and stick it on a surface later.



A roll of Foam tape



An IMO poster stuck on a wall using Foam tape

### When to use it?

When it comes down to fixing objects as signs, nameplates, trims and emblems permanently to a surface, Foam tape is the way to go. It's also possible to apply a Foam tape backing to a product that can be used on a later moment.

## HatchCover tape

Category: Additional tapes

### What is it?

It goes without saying what the purpose of HatchCover is; the product covers up hatches on your vessel. Leakage on these hatches will lead to damaging your vessel or the cargo that's being transported. HatchCover will keep moisture out and ensures a tight seal that's weather-resistant. The product has an extraordinary strength, great adhesion and is very flexible. The blue color makes it easy to recognize which will prevent accidents from happening.



A roll of HatchCover tape



HatchCover tape being applied on a vessel

### When to use it?

HatchCover is used to seal and protect hatch covers so leakages that will harm your vessel or cargo will become obsolete.

## About Nordic Sea Safe

Nordic Sea Safe just started in 2013, due to various changes in economics and local situations the management of NSS found it was time to open up a one-stop office where the local scandinavian shipowner can discuss, procure and finalise the purchase of various safety equipment needed onboard Seagoing Vessels.

With a trackrecord of more than 20 years experience in cooperation with major scandinavian shipyards, shipowners and shipsuppliers, we are sure we can guarantee our customers the perfect solution for safety equipment.

NSS - We can be your lifeline when it comes to safety.



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