

Heat shrinkable corrosion protection sleeve specifically developed for installation on thrust-secured TIS socket joints or flange couplings that are already in place.

## Product description

**TISW-F Wraparound sealing and protection.**

**Construction:** Two-layer system:

**First layer:** Visco-elastic sealant.

**Second layer:** Glassfiber reinforced, radiation cross-linked, polyethylene backing.

The TISW-F is a wraparound heatshrinkable sleeve, with a special designed zipper closing system, allowing a fast and simple installation. The glassfiber reinforced woven backing gives to the TISW-F a high mechanical resistance as well as a high recovery capacity.

TISW-F is installed using standard gas torches. The installation is carried out directly on the cleaned and prepared pipe surface and flange. After preheating, the corrugated cardboard sheet is wrapped around the flange to be sealed. The heat-shrinkable sleeve is positioned centrally over the flange and closed using the zipper closure. When heated above 125°C (257°F) the sleeve shrinks tightly around the substrate. During recovery, the adhesive softens and flows to form an intimate bond. The bond strength builds up during cool down and is fully retained after completion of the job.

## Product features/benefits

- **Backing with integrated glassfiber reinforcement**  
Provides high mechanical resistance.  
Provides a high recovery capacity.
- **65% shrinkage ratio – copes with high transitions**  
Reduces inventory logistics & costs.
- **High mechanical resistance backing**  
TISW-F resists abrasion, impact and penetration.
- **No primer required**  
No drying time and easy application.
- **Specially formulated sealant**  
Ensures a strong bond & impervious seal to virtually any substrate.  
Maintains its elasticity and sealing characteristics over a wide temperature range.
- **Sealing adhesive automatically flows and repairs minor mechanical damages**
- **"Self-healing effect " Saves extra intervention steps**
- **Low preheat sensitivity & proven functionality**  
Allows easy application combined with high functional performance.
- **Zipper closure system**  
Allows simple & fast installation.
- **No elaborate equipment required**  
Makes installation fast and easy.  
Keeps installation costs low.

## Product selection guide

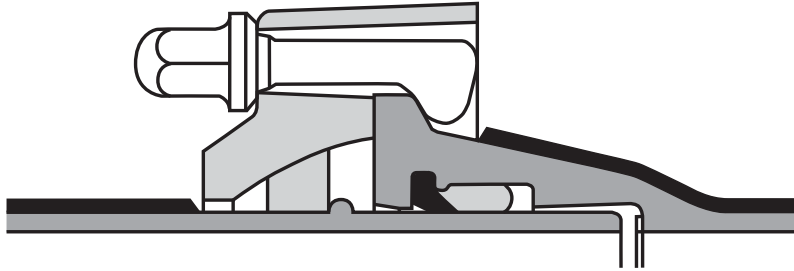
	TISW-F
<b>Max operating temperature</b>	30°C
<b>Compatible line coatings</b>	PE, PP, FBE, Tape, Coal tar, Asphalt, Plastics
<b>Min preheat temperature</b>	60°C
<b>Recommended pipe preparation</b>	ST3

## Product thickness

	TISW-F
<b>Backing (as supplied)</b>	1.3 mm
<b>Backing (fully free recovered)</b>	3.25 mm
<b>Adhesive (as supplied)</b>	1.2 mm

## Product properties: TISW-F

Property	Test method	Typical value
<b>Backing</b>		
Bursing strength	DIN 30672	3500 N
<b>Adhesive</b>		
Softening point	ASTM E-28	92°C
Shear strength	EN 12068 @ 10 mm/min.	8 N/cm <sup>2</sup>
<b>Sleeve</b>		
Peel strength	EN 12068 @ 10 mm/min.	9 N/cm



**TISW-F type products are available:**

- as a kit, containing:
  - a sleeve (pre-cut sleeve with zipper closure)

Example: TISW-F-DN150/200-425		
TISW-F	Product type	Standard ordering options
DN150/200	Min Pipe diameter in DN / Max Pipe diameter in DN	DN100, DN150/200, DN250/300, DN350, DN400/500, DN600, DN700, DN800, DN900, DN1000
425	Sleeve width in mm	425 mm, 600 mm

For proper product selection, see latest application table AT-MPSM-MEPS-TISW-F.  
 For proper product installation, see latest installation instruction.

DS-TISW-F-REV6-MAR11 - LEXPS-0103



**The leading global partner in protecting the integrity of critical infrastructure.**

*Berry Plastics warrants that the product(s) represented within conform(s) to its/their chemical and physical description and is appropriate for the use as stated on the respective technical data sheet when used in compliance with Berry Plastics' written instructions. Since many installation factors are beyond the control of Berry Plastics, the user is obligated to determine the suitability of the products for the intended use and assume all risks and liabilities in connection herewith. Berry Plastics' liability is stated in the standard terms and conditions of sale. Berry Plastics makes no other warranty either expressed or implied. All information contained in the respective technical data sheet(s) should be used as a guide and is subject to change without notice. This document supersedes all previous revisions. Please see revision date on the right.*

Local Distributor / Representative:

For contact details of local Distributors / Representatives  
 Please visit [www.berrycpg.com](http://www.berrycpg.com).

**Headquarters**  
 Franklin, MA, USA  
 Tel: +1 508 918 1714  
 US Toll Free: +1 800 248 0149  
 Fax: +1 508 918 1910  
 CPG@berryplastics.com

**Houston, TX, USA**  
 Tel: +1 713 676 0085  
 US Toll Free: +1 888 676 7202  
 Fax: +1 713 676 0086  
 CPGH@berryplastics.com

**Tijuana, Mexico**  
 Tel USA +1 858 633 9797  
 Fax US: +1 858 633 9740  
 Tel Mexico: +52 664 647 4397  
 Fax Mexico: +52 664 607 9105  
 CPGTJ@berryplastics.com

**Westerlo, Belgium**  
 Tel. +32 14 722500  
 Fax +32 14 722570  
 CPGE@berryplastics.com

**Baroda, India**  
 Tel: +91 2667 264721  
 Fax: +91 2667 264724  
 CPGIN@berryplastics.com