



Heat-shrinkable sleeve providing strong moisture-proof seal between flange & pipe.

Product description

FCTS/FCWS flange/pipe sealing and protection

Construction: Two-layer system:

First layer: Visco-elastic sealant.

Second layer: Thick-walled, radiation-cross-linked, high density polyethylene

FCTS/FCWS are available in a variety of flange sizes. Both products eliminate the need for molding and filling compounds or jellies. The visco-elastic properties of adhesives in the installed product protect against pipe stresses caused by ground movement. The wall thickness of the installed product offers additional mechanical strength in the critical transition area. The design of FCTS/FCWS flange protection products keeps nuts and bolts free

from foreign substances (such as mastics), allowing easy re-entry and disassembly when necessary.

FCTS/FCWS are installed using standard gas torches. Both sleeves can be placed directly onto the cleaned and prepared pipe and flange surface after pre-heating. FCTS: the tubular sleeve is to be slid over the pipe before assembling the flanges. FCWS: the wraparound sleeve.

For pipe sizes above DN150, a heat-activated, pre-attached closure is used to bond the sleeve ends together.

In addition, a corrugated cardboard support sheet adds structural support in the transition area, keeping nuts and bolts free from adhesive. During recovery, the adhesive softens and flows forming a tight bond. The bond strength builds up during cool-down, forming a moisture-proof seal that is mechanically strong and resistant to vibration, impact, abrasion and corrosive gases & fluids.

Product features/benefits

- **No primer required**
No drying time and easy application.
- **Low preheat sensitivity & proven functionality**
Easy to apply.
Saves time.
- **High impact and penetration resistance**
Tough, but flexible.
- **High shrink force backing**
Easy & clean installation even at the difficult step-down area.
- **Specially formulated sealant**
Ensures a strong bond & reliable protection.
- **Sealing adhesive automatically flows and repairs minor mechanical damage**
"Self-healing effect." Saves time.
- **No special equipment or skills required**
Makes installation fast and easy.
Keeps installation costs low.

Product selection guide

	FCTS/FCWS
Max operating temperature	30°C (86°F)
Compatible line coatings	PE, PP, FBE, Coal Tar, Tape & Asphalt
Min preheat temperature	60°C (140°F)
Recommended pipe preparation	ST3
Soil stress restrictions	None

Product thickness

	FCTS (tubular system)	FCWS (Patch closure system)
Backing (as supplied)*	0.4 - 0.6 mm*	0.7 mm
Backing (fully free recovered)	1.8 mm*	1.4 mm
Adhesive (as supplied)	1.0 mm	1.5 mm

* depending on the product size.

Product properties: FCTS/FCWS

Property	Test method	Typical value
Backing		
Tensile strength	ISO R527	3300 psi (22.8 MPa)
Elongation	ISO R527	600%
Water absorption	ISO 62	0.05%
Adhesive		
Softening point	ASTM E-28	92°C
Lap shear	EN12068 @ 10 mm /min.	8 N/cm ²
Sleeve		
Peel to Steel	EN12068 @ 10 mm /min	9 N/cm

Ordering information

FCTS type products are available as a kit, containing:

- a support sheet
- a tubular sleeve

Example: FCTS-DN 300

FCWS	Product type	Standard ordering options
150	Pipe diameter in DN	DN80/100, DN150, DN200

FCWS type products are available as a kit, containing:

- a support sheet
- a wraparound sleeve, closed by a heat-activated closure (for pipe \varnothing above DN 150)

Example: FCWS-DN300-450

FCTS	Product type	Standard ordering options
DN300	Pipe diameter in DN	DN300 – DN 1000
450	Sleeve width in mm	450 mm , 600 mm

For proper selection of FCTS/FCWS size and kit content, see latest application table AT-FCTS-FCWS.

DS-FCTS-FCWS-REV4-0309

Berry Plastics warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the 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 shall 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 this technical data sheet is to be used as a guide and is subject to change without notice. This technical data sheet supersedes all previous data sheets on this product.



Local Distributor / Representative:

Brandysma b.v.
ELECTROTECHNISCHE
OPLOSSINGEN