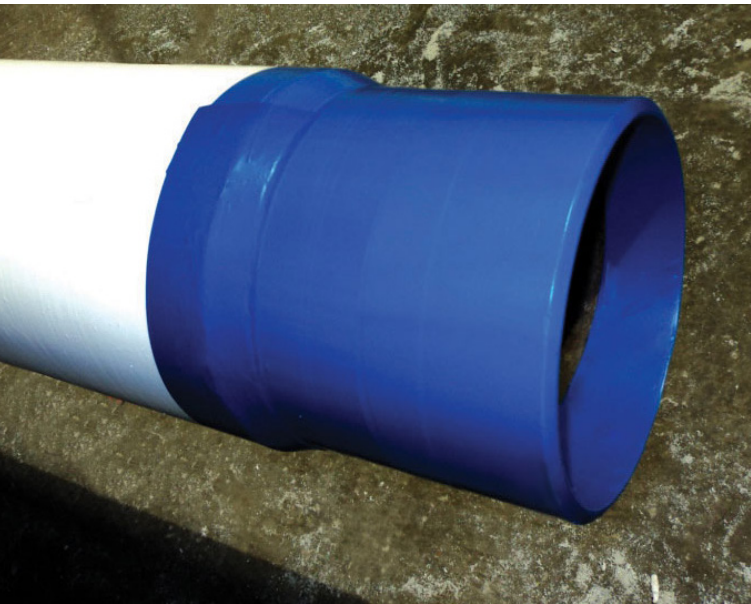


# End Seal Tape



ANTI-CORROSION

PRODUCT DATA SHEET



## Product Description

End Seal Tape is a durable plasticized PVC tape, featuring a modified pressure-sensitive adhesive. The rubber-based adhesive was developed to exhibit outstanding water resistance and excellent abrasion and chemical resistance due to its highly flexible backing. The main use of the End Seal Tape is to prevent FBE, 3LPE, 3LPP and other external pipe coating systems from absorbing moisture at the cutback area during extended storage period. The End Seal Tape can be applied over the coating/steel transition area or over the entire pipe end to mitigate coating disbondment and/or deterioration of pipe ends. The high performance bonding agent adheres quickly to most surfaces and can be removed leaving little or no traceable residue.

## Excellent Moisture Barrier and Mechanical Protection

- Reduces moisture absorption in protected epoxy layers during storage, a root cause of FBE blistering during field joint application.
- Minimizes end disbondment from corrosion undercutting and rust formation on cutback area during storage
- End Seal Tape can be used in conjunction with other preservation methods, such as end caps, tarpaulin covers, PE sheets, or heat shrinkable tube/sleeve to further expand mechanical or temporal performance of the protected system

## Long-Term Performance and Easy Installation

- Outstanding performance when the pipe is exposed to inclement weather, even in tropical environments
- Easy to install, effective and easy to remove leaving little or no adhesive residue even after more than one year of outdoor storage at high temperature or humidity levels

## Flexible Design

- Available in various widths – 50, 75, 100 and 150 mm (2, 3, 4 and 6 in)
- Can be applied in a wide range of thicknesses to cost effectively meet unique project specifications and performance requirements

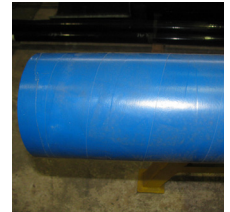
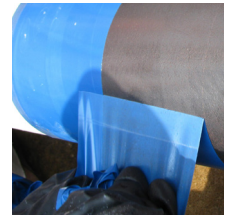
Features & Benefits

# End Seal Tape

## Typical Product Properties

### Capability/Property

	<b>End Seal Tape</b>
Backing Type.....	PVC (Polyvinyl-chloride)
Color .....	Blue
Adhesive Type.....	Rubber-Based
Tape Thickness .....	0.15 mm (0.006 in)
Tape Width .....	50, 75, 100, 150 mm (2, 3, 4, 6 in)
Tape Roll Length.....	32 m (105 ft)
Adhesion to Steel .....	30.7 +/- 6 g/mm (27.5 +/- 5.5 oz / in)
Tensile Strength .....	2.7 +/- 0.5 kg/cm (15 +/- 3 lb / in)
Elongation at Break .....	150 +/- 25 %

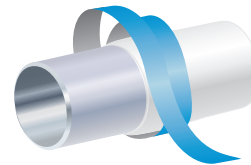


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## Product Application Process

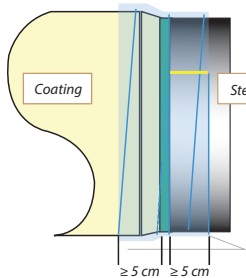
### Installation Procedures:

Prior to the application, the coating cutback and the pipe end shall be dry, clean, and free from any visible contaminants.



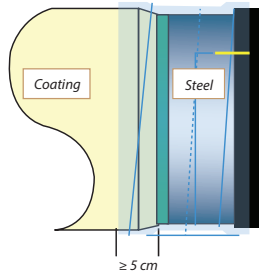
Use standard tape application with some tension. Ensure that no air is trapped under the tape. Voids or entrapped bubbles underneath the tape, if any, shall be smoothed out using gloved hand or a roller. Avoid, and repair if found, any damage or puncture to the tape during application, handling or storage of taped pipes.

### Transition Area Seal



For preservation over the coating/steel transition area to minimize end disbondment, apply the End Seal Tape at least 5 cm (2") from FBE coating cutback (for FBE/DLFBE coated pipes) or from PE/PP chamfer (for 3LPO/MLPP coated pipes) to at least 5 cm (2") beyond the cutback or the FBE toe. Apply 2 full wraps at start and end, with an overlap of at least 50% at body.

### Complete End Seal



If long term pipe end protection from rusting is required, the End Seal Tape can be applied over the entire pipe end and wrapped back to the pipe end internally for at least 5 cm (2"). If an end cap is used, complete then the installation by applying 2 full wraps over the end cap to prevent from moisture penetration.

### Removal Procedures

For the best removal results, the End Seal Tape shall be removed when the pipe temperature is below 35°C. Manually peel off the End Seal Tape with gloved hand and the aid of a spatula. Any traceable adhesive residue should be removed during the surface preparation process prior to field joint coating application. If adhesive residual removal is required prior to blasting, it can be readily removed by mechanical means or with the use of an appropriate solvent or detergent.

## About Bredero Shaw

Bredero Shaw is the global leader in pipe coating solutions. With more than 80 years of experience, the largest team of dedicated pipe coating professionals, the most extensive network of strategically located plants worldwide and with proven innovative coating technologies, the company has protected more pipelines in virtually every environment and operating condition than anyone in the industry.

Bredero Shaw offers technologically advanced solutions for anti-corrosion coatings, protective and weight coatings, thermal flow assurance coatings, internal coatings, custom coatings and field joints for both onshore and offshore applications. This broad range of products and services provides Bredero Shaw with the unique capability to service the full spectrum of pipeline protection and flow assurance requirements. Consult your Bredero Shaw representative for your unique project requirements.

### Health and Safety

Bredero Shaw is committed to providing a safe and healthy workplace and ensuring that our business activities are conducted in a manner that protects the environment. The company's commitment to employee safety is promoted through our Incident and Injury Free (IIF) philosophy.

### HEAD OFFICE & AMERICAS

**Bredero Shaw**  
3838 N. Sam Houston Pkwy E.  
Suite 300  
Houston, Texas  
77032, USA  
Phone: +1-281-886-2350  
solutions@brederoshaw.com

### EUROPE, MIDDLE EAST, AFRICA & RUSSIA

**Bredero Shaw**  
Lakeside House  
1 Furzeground Way  
Stockley Park, Uxbridge  
UB11 1BD, United Kingdom  
Phone: +44-208-622-3071  
EMAR@brederoshaw.com

### ASIA PACIFIC

**Bredero Shaw**  
101 Thomson Road  
#17-01/02 United Square  
Singapore 307591  
Phone: +65-6732-2355  
asiapacific@brederoshaw.com