



## Heat Shrinkable Sleeve for Directional Drilling

A high performance sleeve against pull-through forces in directional drilling.

### Product Description

**Heat Shrinkable Sleeve for Directional Drilling** is a high performance system specifically designed for girth weld corrosion protection on pipes used in directional drilling application.

The system consist of three component:

- First, liquid epoxy primer, provide the protection for the system.
- Second, a primary heat shrinkable sleeve, with a cross-linked polyethylene backing and a protective heat sensitive adhesive.
- Third, a **sacrificial sleeve**, which have the same construction as the main sleeve. Sacrificial sleeve as an extra protection against pull-through forces occurs during directional drilling.

### Features and Benefits

- **Superior Shear&Abrasion Resistance**

The backing of Primary Heat Shrinkable Sleeve and Sacrificial Sleeve is tough and flexible, provides highly resistance to shear and peel forces induced by soil and thermal movements.

- **Long Term Corrosion Protection**

The sacrificial sleeve protects leading edge of sleeve against pull-through forces, offering additional strength and security.

The Heat Shrinkable Sleeve for Directional Drilling have superior resistance to cathodic disbondment and water immersion. And Provides a monolithic coating protection.

- **Easy and Efficient Installation**

Pre -attached closure patch, low preheat temperature requirements allows fast and easy installation,save time and money.

### Product Application

1 Ensure the girth weld area is clean, remove the grease, oil, and other surface contamination.

2 The bare steel girth weld is preheated with a heat shrinkable sleeve torch in order to raise the temperature to 105-120°F. This was done in order to dry any moisture in the steel and to allow the liquid epoxy primer to better flow into the anchor profile.

3 The 100% solids, liquid epoxy primer was thoroughly mixed and then painted on the bare steel with the brush.

4 The primary heat shrinkable sleeve is centered over the girth weld, loosely wrap around the pipe, and shrunk down from the center to each edge with the shrink sleeve torch. Once the

shrinking of the primary sleeve is completed, and while its polyethylene backing is still hot and soft, a hand roller is used to remove any entrapped air.

5 The sacrificial sleeve is centered on the leading edge of the primary heat shrinkable sleeve, loosely wrap around the pipe, and also shrunk with the torch. Hand rolling followed.

6 Once the primary heat shrink sleeve and the sacrificial sleeve have cooled down to 120°F, additional liquid epoxy primer is painted around the leading edge of the sacrificial sleeve.

## Product Storage

**Service Life:** More than 30 years

**Normal Packing:** Standard Carton

### Storage Condition:

- To ensure maximum performance, store product in a dry, ventilated area.
- Keep products sealed in original cartons and avoid exposure to direct sunlight, rain, snow, dust or other adverse environmental elements.
- Avoid prolonged storage at temperatures above 40°C or below -20°C.
- Product installation should be done in accordance with local health and safety regulations.

**Shelf life:** 12 months, under correct storage condition.



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### Factory:

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