

# TRENTON™

## Graycoat® & Poly-Ply

Cold-applied Coating & Wrapping System for new service installations, field patching of irregularly shaped fittings and small-diameter pipe.



*Graycoat® applied directly to the pipe surface by hand. Additional Graycoat® may be packed into recessed areas around bolts and flanges for extra protection.*

The combination of Graycoat® cold-applied wax coating and Poly-Ply patch wrapper is used to prevent corrosion of underground metal structures. Graycoat® is essentially a microcrystalline wax blend which has been successfully used as a corrosion preventative material for over 40 years. It has first-rate waterproofing characteristics with its low moisture absorption and transmission, and is an exceptional dielectric barrier with high electrical resistance. As with all wax coatings, Graycoat® has superior wetting characteristics and, when applied, it thoroughly fills the pores of the metal. Even after the initial application, Graycoat® remains "live", continuing to wet and to adhere to the metal. Graycoat®'s relatively soft consistency allows it to "flex" with the pipe as it moves due to soil stress and temperature variations. Graycoat® is inert and remains pliable indefinitely, and is not affected by chemicals and bacteria commonly found in soils.

*Graycoat® is hand applied directly to the pipe surface, and its paste-like consistency allows it to be packed in and around the contours and crevices of irregularly shaped fittings.*



*Completed application of Graycoat® coating and Poly-Ply wrapper to leak clamp, service tee and bolt type coupling.*

Because it is hand applied, it is easier to coat the difficult-to-reach surfaces of irregular fittings. When moisture is present, Graycoat® can be firmly rubbed onto the surface and will displace the moisture. After Graycoat® is applied, it is wrapped with Poly-Ply and can be backfilled immediately.

Poly-Ply is a plastic membrane wrapper used to provide mechanical protection against backfill stress. The unique 3-ply design of Poly-Ply provides added mechanical strength while maintaining the conformability required to wrap irregularly shaped surfaces. It also acts as an additional dielectric barrier. Because of its conformability, it is an excellent wrapper for irregular fittings as well as straight pipe. Poly-Ply is inert and will not deteriorate underground, and it is resistant to chemicals and bacteria commonly found in soils. In combination, Graycoat® and Poly-Ply are excellent anti-corrosion materials for new service installations, field patching of irregularly shaped fittings, and small-diameter pipe.



## Description:

Graycoat® is a blend of microcrystalline wax, plasticizers, pigments and corrosion inhibitors used to prevent corrosion of underground structures. Its mastic consistency makes it easily applied to bolts and other irregular shapes, by hand or trowel. It can be applied over wet pipe with no primer required and requires no waiting or curing before backfilling. Packaged in convenient 24lb. pails, it is available in both summer and winter grades.

## End Use:

For protection of irregular metal fittings and straight pipe in conjunction with Poly-Ply wrapper.

## Application Procedures:

Brush or wipe the pipe surface clean. Apply Graycoat® directly by hand, and then overwrap with Poly-Ply wrapper which is then formed into shape around the contour of the surface. For greater ease of application, Graycoat® can be heated and then ragged or daubed onto the pipe surface.

Graycoat® may also be applied over a wet surface, in which case it is rubbed and pressed firmly onto the metal, assuring adhesion to the surface. A second build-up of coating is applied, and then the Poly-Ply formed over it.

## Packaging:

Available in 24 lb. pails in two grades:

- Summer Grade - can be applied at ambient temperatures as low as 30°F
- Winter Grade - can be applied at ambient temperatures as low as 0°F

## Specifications:

Appearance	Gray, smooth-textured paste
Specific gravity at 77°F	.95-1.05
Pour point	105-120°F
Flash point	200-250°F
Dielectric strength	100 volts/mil
Application thickness	1/8" (approx.)

## Advantages:

- Excellent corrosion barrier
- Low moisture absorption and transmission
- Excellent dielectric barrier
- Excellent "wetting" and adhesion characteristics
- Highly ductile
- Inert
- Resistant to chemicals and bacteria common to soils
- Applied by hand or trowel
- Can be easily applied to bolts and other irregular shapes
- Can be applied over wet pipe
- No waiting before backfilling
- Compatible with other coating materials
- No primer required
- No torch in the trench
- Packaged in convenient 24lb. pails
- Summer and winter grades available

## Description:

Poly-Ply plastic wrapper consists of three 50-gauge, clear, polyvinylidene chloride plastic, high-cling membranes, wound together as a single sheet. It provides a mechanical and electrical barrier over Graycoat® while remaining flexible enough to conform to irregularly shaped surfaces. It is inert and will not deteriorate, and is resistant to chemicals and bacteria commonly found in soils.

## End Use:

As a wrap over cold-applied Graycoat® coating on straight pipe and irregular metal surfaces such as T's and couplings.

## Application Procedures:

Pre-apply Graycoat® coating and then wrap with Poly-Ply, forming the wrapper to the contours of the coated surface. Apply with at least a 1" overlap using a spiral wrap or cigarette wrap.

## Packaging:

Coreless rolls in cardboard cartons containing 50 sq. yds.  
4" x 50' rolls (27 rolls/carton)  
6" x 50' rolls (18 rolls/carton)  
9" x 50' rolls (12 rolls/carton)  
12" x 50' rolls (9 rolls/carton)

## Specifications:

Color	Clear
Thickness	1.5 mils
Dielectric strength	2000 volts/mil
Water absorption	negligible

## Advantages:

- 3-ply composition for extra mechanical strength
- High dielectric strength
- Conforms to irregular shapes
- Composed of inert plastic film that will not deteriorate
- Resistant to chemicals and bacteria
- Convenient size of roll
- Relatively inexpensive

## Estimated Quantity Requirements:

Pipe Size	Graycoat® Pounds/ 100 ft.	Poly-Ply Square yards/100 ft.
4	74	18
6	110	26
8	152	34
10	190	42
12	226	49