

TRENTON™

Graycoat® & Guard-Wrap

Cold-applied Coating & Wrapping System for new service installations, and field patching of irregularly shaped fittings and joints



Completed application of Graycoat® and Guard-Wrap to welded tee and 4-bolt compression coupling.

The combination of Graycoat® cold-applied wax coating and Guard-Wrap patch wrapper is used to prevent corrosion of underground metal structures.

Graycoat® is a microcrystalline wax based compound which has been successfully used as a corrosion preventative material for over 40 years, having properties ideally suited for a protective pipe coating. Graycoat® has first-rate waterproofing characteristics because of 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.

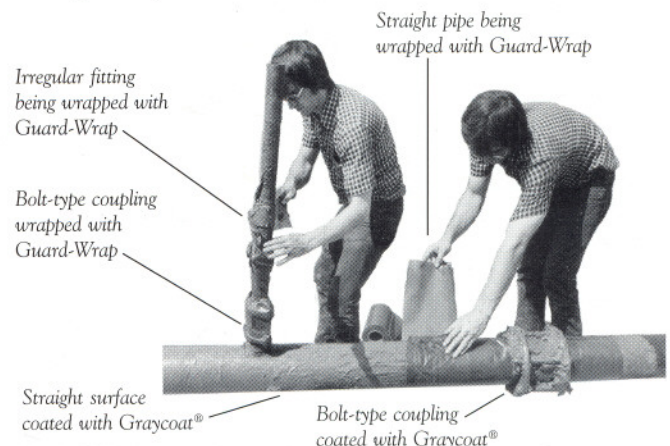
Graycoat®'s ductility allows it to flex with the pipe as the pipe moves due to soil stress and temperature variations, and remains pliable indefinitely. Graycoat® is inert and is not affected by chemicals and bacteria commonly found in soils.

Graycoat® is hand applied directly to the pipe surface, allowing its paste-like consistency to be packed in and around the contours and crevices of irregularly shaped fittings. Because it is hand applied, it is easier to coat the difficult to reach surfaces of irregular fittings. Where moisture is present, Graycoat® can be firmly rubbed onto the surface, thus displacing the moisture.

After Graycoat® is applied, it is wrapped with Guard-Wrap and can be backfilled immediately. Trenton Poly-Ply may be used if backfill conditions do not require the extra mechanical strength of Guard-Wrap.

Guard-Wrap is composed of a plastic mat and film, saturated with microcrystalline wax. It is used to provide additional mechanical protection against backfill stress and impact, while also providing an additional dielectric barrier. Because of its conformability to irregular shapes, it is an excellent wrapper for fittings as well as straight pipe. Guard-Wrap is composed of inert materials that will not deteriorate underground, and is resistant to chemicals and bacteria commonly found in soils.

In combination, Graycoat® and Guard-Wrap are excellent anti-corrosion materials for new service installations and field patching of irregularly shaped fittings and joints.



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 easy to apply to straight pipe and to fill the voids and crevices of irregular shapes.

End Use:

For protection of irregular metal fittings and straight pipe in conjunction with Guard-Wrap wrapper.

Application Procedures:

Wire brush the surface clean of loose rust, scale and coating. Apply Graycoat® directly by hand, filling-in voids and crevices and building up a thickness of coating. Then overwrap with Guard-Wrap wrapper, forming it into shape around the contours of the surface. On straight pipe Guard-Wrap can be spiral wrapped or cigarette wrapped, whichever is preferred.

Graycoat® can be applied over a wet surface, in which case it is rubbed and pressed firmly onto the surface, displacing moisture and ensuring adhesion to the pipe. A second buildup of coating is applied and then the Guard-Wrap is formed over it.

Graycoat® can also be heated to liquid and "ragged" or daubed onto the pipe surface. However, the surface must be dry when applied in this manner.

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:

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

Description:

Guard-Wrap Wrapper consists of a spun bonded plastic mat saturated with microcrystalline wax to which a dielectric film is laminated, also with a microcrystalline wax. It is used to provide mechanical protection against backfill stress while also contributing an added dielectric barrier. Its complete conformability (much like aluminum foil when crumpled up) makes it ideal for wrapping fittings, as well as straight pipe.

End Use:

As a wrap over cold-applied Graycoat® coating to protect straight pipe, welds, couplings, Ts or other irregular metal surfaces.

Application Procedures:

Pre-apply Graycoat® coating and form Guard-Wrap to the contours of the surface, allowing a one inch or more overlap. On straight pipe, Guard-Wrap can be spiral wrapped or cigarette wrapped.

Packaging:

In cardboard cartons containing 50 sq. yds. per carton:

- 6" x 150' rolls (6 rolls/carton)
- 9" x 150' rolls (4 rolls/carton)
- 12" x 150' rolls (3 rolls/carton)
- 18" x 150' rolls (2 rolls/carton)

Specifications:

Color	Brown
Plastic membrane thickness	.5 mil
Thickness	10-14 mils
Dielectric strength	3500 volts (minimum)

Advantages:

- Conformable to irregular shapes
- A two-part wrapper (plastic mat and film) for extra mechanical strength
- Withstands hot-application temperatures
- Resistant to chemicals and bacteria
- Composed of inert materials
- Excellent dielectric strength

Estimated Quantity

Requirements:

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