



# X-Wrap

## PRODUCT OVERVIEW

X-Wrap (formerly IRO – Impact Resistant Outerwrap) is designed to protect field joint coatings and mainline coatings from abrasion and mechanical damage. X-Wrap consists of pre-impregnated woven glass fabric and water activated resin. This product is designed for use during tunneling, horizontal directional drilling (HDD) and bores. X-Wrap supersedes IRO and should be substituted for all future use.

X-Wrap creates an abrasion resistant, sacrificial outer layer which protects any other coating from damage. The main function of this product is to reduce the need for repairs after a pipe pulling operation.

X-Wrap has also been proven to not shield recommended holiday detection voltages when applied to a bare steel surface. The inference from this testing is that the underlying coatings can still have their integrity verified.

The application of this system allows for speedy coating protection and backfill while also giving the most effective results of any ARO in the market.

- Simple, easy to install
- No mixing, measuring or spreading resin
- Non-shielding
- Non-hazardous
- Consistent and uniform application
- Smooth profile reduces damage during bores
- NO UV light or heating required (X-wrap is moisture cured)
- Fast curing

### X-Wrap Properties

Laminate Properties				Cure Schedule 75°F (24°C)	
Thickness (per layer)	Resin Type	Application Temperature	Service Temperature	Working Time	Set Time
12 mils (305 µm)	Moisture Cured Urethane	32°F - 200°F (0°C - 93°C)	-40°F - 265°F (-40°C - 129°C)	12 min	<25 min

Mechanical Properties			
Impact Resistance	Taber Abrasion Resistance	Gouge Resistance	Flexibility
CSA Z245.20, -30°C, 3J	ASTM D4060	CSA Z245.20, 50kg	CSA Z245.20, -30°C
Pass	868 cycles/mil (34.2 cycles/µm)	Avg Depth: 25.7 mils (653 µm), 25.8% of coating thickness	1.5°/PD

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