



# X-Wrap HD

## PRODUCT OVERVIEW

X-Wrap HD (formerly IRO HD – Impact Resistant Outerwrap-Heavy Duty) is designed to protect field joint coatings and mainline coatings from abrasion and mechanical damage. X-Wrap HD 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 HD supersedes IRO HD products and should be substituted for all future use.

X-Wrap HD 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 HD has 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 X-Wrap HD 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 HD is moisture cured)
- Fast curing

X-Wrap HD Properties				
Laminate Properties			Cure Schedule 75°F (24°C)	
Thickness (per layer)	Resin Type	Application Temperature	Working Time	Set Time
34 mils (864 µm)	Moisture Cured Urethane	32° - 150°F (0° - 75°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	1125 cycles/mil (44.4 cycles/µm)	Avg Depth: 15.3 mils (388 µm), 11.1% of coating thickness	1.5°/PD	

REV033125