



polyguard

PIPELINE

X-Wrap HD

PRODUCT OVERVIEW



X-Wrap HD (Heavy Duty) was designed to protect field joint and mainline corrosion barrier coatings from abrasion damage during directional drilling. Once cured, X-Wrap HD provides hard, abrasion resistant, sacrificial outer layers which protect field joint and mainline coatings such as RD-6, Fusion Bond Epoxy (FBE), liquid epoxies, or other coatings. Simple packaging, easy to follow installation practices and conformability to anti-corrosion coatings provide for efficient installations. X-Wrap HD eliminates the potential for costly spot repairs or re-pulling pipe while providing the best mechanical protection of the underlying field-joint and mainline coatings.

The simple application of X-Wrap HD allows for speedy coating protection and backfill. This makes it possible for pipeline operators to apply girth weld coatings at reasonable thicknesses, rather than increasing those thicknesses and losing properties such as flexibility or impact resistance. The composite fibers in combination with resin maintain flexibility while improving gouge, abrasion and impact resistance. X-wrap HD is utilized as a protective layer for field joint coatings on pipelines that are installed by a trenchless method.

- Simple, easy to install
- Consistent and uniform application
- Smooth profile reduces damage during bores
- No UV light or heating required (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

Manufactured By:



REV011525