



# AR EAGLE

Abrasion Resistant Overcoat

OUTER PIPELINE MECHANICAL PROTECTION



EASY TO GET, EASY TO USE

**ARO EAGLE**

**is the new LK2 Fiber-Glass Water Curing Mechanical Protection for the reinforced external cover of buried pipelines**

**LK2 AroEagle** is the Abrasion Resistant Overwrap which provides superior mechanical protection and excellent performance against impact, gouge, scarring and fracture during pipeline installation and/or horizontal direction drillings, boring and microtunneling.

**AroEagle** is the right solution to protect with a sacrificial laminate your field joint coatings or mainline coatings (FBE, 3LPE, 3LPP, epoxies, sleeves and tapes): it consists of a fiberglass fabric, supplied in different thicknesses/sizes, impregnated with MDI based polyurethane resin which cures once activated by water (MCU).

#### **CUSTOMIZED SIZES PRODUCT**

**AroEagle** is designed and produced inside our facility and can be manufactured to fit exactly your application. Width, thickness and rolls length can be customized accordingly to specific requirements(ex: longer and wider rolls can be produced for factory application in pipes productions facilities).





# APPLICATIONS



 **HDD (Horizontal Directional Drilling)**

 **Boring**

 **Microtunneling**

 **Rock shield mechanical protection**

 **Trenchless pipeline construction**

 **FJC (Field Joint Coating)**

 **Factory direct application**

 **District Heating pipeline protection**



# TECHNICAL DATA

PROPERTIES	TEST METHOD	DATA
Colour	Visual	GREY
Resin Type		MCU
Impact Resistance	ASTM G14-04	48 JULES
Gouge Resistance	CSA Z245.20.10	390 $\mu$ at 50 kg
Abrasion Resistance	ASTM D4060	41,18 cycle / PLY
Tensile Strenght	ASTM D638	N/A
<b>Cure Schedule</b> Tested at an ambient temperature of 24°C (75°F)		
Pot Life (Gel Time)	100-gram resin mass	16 MIN
Hard Dry Time (Shore D>70)	ASTM D2240	38 MIN
Application Temperature	from -5°C to 55°C	

CODE	WIDTH	THICKNESS
EAGLE 250XL	250 mm	2,0 mm
EAGLE 150XL	150 mm	2,0 mm
EAGLE 150	150 mm	1,6 mm
EAGLE 150TH	150 mm	1,2 mm
EAGLE 100TH	100 mm	1,2 mm

# AR EAGLE

Engineered and manufactured by



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