

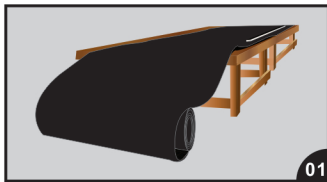
K-Liner

HUITEX® K-Liner - Concrete Embedment Liners are designed to provide a synthetic lining surface on concrete structures or containments. Concrete Embedment Liners are thick sections of HDPE with a number of studs protruding from one side.

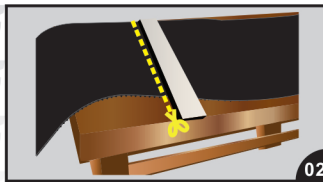
K-Liner is fastened to the inside of forms before concrete is poured to create a surface that is lined with plastic. The concrete flows around the studs anchoring the sheet firmly in place.

K-Liner can be supplied in rolls for concrete pipes precast or in-situ installation for concrete structure.

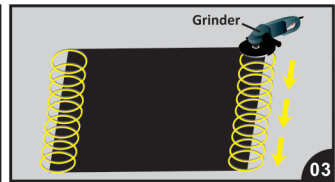
K-Liner with Leak Detection technology



• Flattening the K-Liner



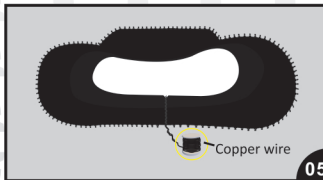
• Resize



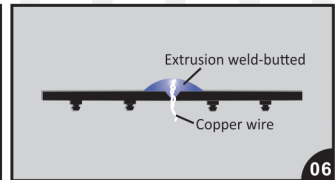
• Grind the knobs at edge



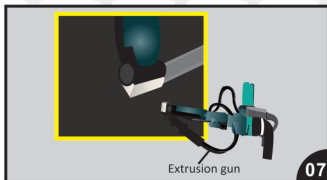
• Join the K-Liner



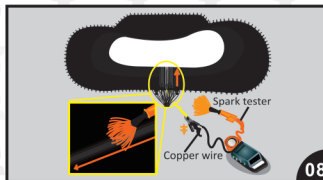
• Install the conductive wire



• Welding



• Welding



• Spark testing

HDPE K-Liner Specifications

Property	Test Method	H2E200	H2E300	H2E400	H2E500
Density	ASTM D792	≥ 0.940 g/cc			
Thickness (min. ave.)	ASTM D5199	2.00mm	3.00mm	4.00mm	5.00mm
Tensile Properties* Yield Strength Yield Elongation Break Strength Break Elongation	ASTM D6693 Type IV	15 MPa 12 % 27 MPa 500 %			
Knobs Pull-out Strength		≥70 Ton/m ²			
Carbon Black Content	ASTM D1603	2.0-3.0 %			
Carbon Black Dispersion	ASTM D5596	Category 1 or 2			
Standard OIT	ASTM D3895	≥100 min			
ESCR(NCTL)	ASTM D5397	≥400 hr			
Puncture Resistance*	ASTM D4833	≥320 N/mm			
Roll Dimension** Width x Length		2.9x70m	2.9x70m	2.9x60m	2.9x60m
Roll Area		203 m ²	203 m ²	174 m ²	174 m ²

*Testing measured on smooth portion of K-Liner

**Roll width and length have a tolerance of ±1%



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