



TECHNICAL DATA SHEET

FlexiSeal 70

DESCRIPTION

FlexiSeal 70 is ideal for corrosion prevention and dielectric protection and is typically used for underground pipe work and metal structures, particularly for the coating of welded joints of pipelines for gas, liquid and water transport.

FlexiSeal 70 is made up of a self adhesive SBS compound protected by a medium thickness HDPE film. The tape has an integral hi-tensile, cross laminated HDPE backing which imparts high mechanical strength, impact resistance and controlled elasticity/ hoop tension.

USES

This successfully proven tape is the best solution for coating of pipes and/ or repair, due to its tenacious adhesion, mechanical characteristics, ease of use, good elongation and flexibility.

CHARACTERISTICS

FlexiSeal 70 is engineered for toughness, conformability and controlled elasticity; the tape exhibits flexibility during application, permitting the installer to achieve a tight fitting, self sealing sheath over the pipe substrate.

APPLICATION

FlexiSeal 70 can be applied by machine or by hand, minimal tension is required to achieve intimate contact between pipe and coating.

PRODUCTION

FlexiSeal 70 is produced in one of the newest and most modern plants in the world. The quality control department constantly and continuously monitors the raw materials, the production and packaging in order to ensure a high quality product.

Sizes, article and batch numbers are indicated on each carton.

PRODUCT PROPERTIES**FlexiSeal 70**

Physical Properties	Test Method	Typical Value
Total thickness	ASTM D 1000	1.65 mm
Bituminous Butyl Adhesive Thickness	ASTM D 1000	0.95mm
Backing Thickness	ASTM D 1000	0.70mm
Width	-	50 -900 mm
Length	-	12 m
Backing colour	-	Black
Breaking strength	ASTM D 1000-10	12/N/mm
Adhesion to primed steel	ASTM D 1000-10	85N/25mm
Elongation	ASTM D 1000-10	>300%
Tensile strength	ASTM D 1000	12N/cm
Cathodic Disbondment	ASTM G8	10mm radius
Impact resistance	ASTM D G14	12 Nm
Dielectric Strength	ASTM D 1000	40 kV
Application Temperature		+5 °C to + 80 °C
Service Temperature		-20 °C to + 80 °C
Water Vapour Transmission	ASTM E96	0.06g / m ² /24h
Water Absorption	ASTM D 570	0.1%
Volume Resistance	ASTM D 257	10 ¹⁵

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