



## TECHNICAL DATA SHEET

### FlexiSeal 40

#### DESCRIPTION

**Flexi Seal 40** 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.

**Flexi Seal 40** 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

**Flexi Seal 40** 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

**Flexi Seal 40** can be applied by machine or by hand, minimal tension is required to achieve intimate contact between pipe and coating.

#### PROCEDURES

**Flexi Seal 40** 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.

#### AUSTRALASIAN INDUSTRIAL WRAPPINGS & COATINGS PTY LTD

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#### PRODUCT PROPERTIES

Physical Properties	Test Method	Typical Value
Total thickness	ASTM D 1000	1.05 mm
Bitumen Adhesive Thickness	ASTM D 1000	0.75mm
Backing Thickness	ASTM D 1000	0.30mm
Width	-	50 -900 mm
Length	-	15 m
Backing colour	-	Black
Breaking strength	ASTM D 1000-10	6N/mm
Adhesion to primed steel	ASTM D 1000-10	92N/25mm
Elongation	ASTM D 1000-10	>300%
Tensile strength	ASTM D 1000	50N/cm
Cathodic Disbondment	ASTM G8	10mm radius
Impact resistance	ASTM D G14	6 Nm
Dielectric Strength	ASTM D 1000	35 kV
Application Temperature		+5 °C to + 80 °C
Service Temperature		-20 °C to + 80 °C
Water Vapour Transmission	ASTM E96	0.08g / m <sup>2</sup> /24h
Water Absorption	ASTM D 570	0.1%
Volume Resistance	ASTM D 257	10 <sup>15</sup>

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