



## TECHNICAL DATA SHEET

### *FlexiClad 40*

#### DESCRIPTION

**FlexiClad 40** is designed for protection pipes, welded joints, bends and fittings. The combination of PVC backing and polymer bitumen adhesive ensures vigorous contact with the metal substrate and excellent adhesion. Suitable for machine or hand application.

The tape has an integral hi-tensile, cross laminated PVC 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 small and medium diameter pipes and/ or repair, due to its tenacious adhesion, mechanical characteristics, ease of use, good elongation and flexibility.

#### CHARACTERISTICS

**FlexiClad 40** is a medium thick polymer bitumen adhesive laminated to a tough plasticised PVC backing. The adhesive layer is protected by an interleaving which is removed during application.

#### APPLICATION

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

#### PRODUCTION

**FlexiClad 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 roll.

## PRODUCT PROPERTIES

Physical Properties	Test Method	Typical Value
Total thickness	ASTM D 1000	1.05 mm
Bitumen Adhesive Thickness	ASTM D 1000	0.75mm
PVC Backing Thickness	ASTM D 1000	0.30mm
Width	-	50 -800 mm
Length	-	10 -60 m
Backing colour	-	Black
Breaking strength	ASTM D 1000	35 N/cm
Peel Adhesion to primed steel pipe	ASTM D 1000	35 N/cm
Elongation	ASTM D 1000	200%
Tear strength	ASTM D 1004	12 N
Cathodic Disbandment	ASTM G8	0.25 in radius 6.4 mm
Impact resistance	ASTM D G14	3 Nm
Dielectric Strength	ASTM D 1000	36 Kv
Volume Resistivity	ASTM D 257	$10^{12}$ 2.2x10 ohm.cm
Water Absorption	ASTM D 570	0.10 %
Water Vapour Transmission Rate (24h)	ASTM F1249	0.1g/100sq mm/24h
Application Temperature		-10 °C - 80 °C

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