



ECOTAPE



ECOTAPE 2-Ply System

Tape Systems for the protection of buried pipes. The polymeric composition of the tapes that make up the system, and also its cold application, ensure an ecological product, which means a total respect for the environment, obtaining a better qualitative level compared to systems based on bituminous adhesive.

Cold Applied Anticorrosion Protection.

- **Composition:**
 - **Primer P29**
 - **Anticorrosive Protection Tape T100**
 - **Mechanical Protection Tape T200**

DESCRIPTION

System composed of three elements: Liquid Adhesive, Anticorrosion Tape and Mechanical Protection Tape. It is specifically designed for applications on site or mill, at a new line construction or for reconditioning existing metallic pipes.

The Liquid Adhesive Primer P29 is applied on the pipes to smooth the surface and cover any irregularities and, at the same time, to ensure a perfect bonding with the Anticorrosive tape adhesive.

The aim of this system is to reduce the effects of the corrosion and the natural deterioration of the steel in buried and submarine pipes, achieving an interface between the pipe and the environment able to protect it.



- GUARANTEE OF PROTECTION
- EASY APPLICATION.
- LONG LIFE.
- ECONOMICAL.
- COMPATIBLE WITH COATINGS:
 - PE, PP, PU, FBE, CTE..

Tape ECOTAPE SERIES T100 (black)

- 2 Layer ANTICORROSIVE Tape with PE backing and butyl rubber adhesive.
- Excellent bonding between adhesive and backing thanks to a co-extruded backing sheet.
- Good adherence to primed steel (P29)
- Used as a first layer for the anticorrosive protection. Inner tape.

Tape ECOTAPE SERIES T200 (white)

- 2 Layer MECHANICAL Tape with PE backing and butyl rubber adhesive.
- Excellent auto adherence and bonding with the inner tape.
- High mechanical resistance due to the thicker backing layer of the outer tape.
- Wide application temperature range
- Good conformability and adaptability.
- Resistant to cathodic disbondment.

SYSTEM T100 + T200

- Basic System protection comprising three elements: Liquid adhesive (P29), Anticorrosive Tape (Series T100), and Mechanical Protection Tape (Series T200).
- Excellent bonding between adhesive and backing thanks to a co-extruded sheet.
- Protection for buried pipes of easy and economical installation.
- Resistant to UV.



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ECOTAPE – DATA SHEET

ECOTAPE 2-Ply System Tapes

T100 + T200 overlap 50%

ANTICORROSIVE TAPE TECHNICAL DATA		T150-20	T165-25	T180-30	Test/Norm
Thickness mm	Adhesive	0,20	0,31	0,41	
	Backing	0,31	0,34	0,39	
	TOTAL	0,51	0,65	0,8	
Elongation at Break	%		>=400		ASTM-D1000
Tensile Strength	N/cm	45,3	51,2	64,5	ASTM-D1000
Yield Strength	N/cm	35,5	42,3	45,5	ASTM-D1000
Peel Adhesion to Primed Pipe	N/cm	21,2	26,5	33,2	ASTM-D1000
Dielectric Strength	Kv/mm	35	45,8	48	ASTM-D1000
Cathodic Disbondment	mm.r		6,4		ASTM-G8
Volume Resistivity	$\Omega \cdot m$		$2,5 \times 10^{12}$		ASTM-E257
Water Vapour Transmission Rate	g/m ² . 24h		<=0,1		ASTM-F1249
Water Absorption Rate	%		<0,06		ASTM-D570
Application Temperature Range	°C		-5 a +60		
Max Service Temperature	°C		-40 a +80		
Colour			Black		

MECHANICAL TAPE TECHNICAL DATA		T250-20	T265-25	T280-30	Test/Norm
Thickness mm	Adhesive	0,13	0,14	0,17	
	Backing	0,38	0,51	0,63	
	TOTAL	0,51	0,65	0,8	
Elongation at Break	%		>=400		ASTM-D1000
Tensile Strength	N/cm	45,3	50,8	60,1	ASTM-D1000
Yield Strength	N/cm	35,9	43,4	45,8	ASTM-D1000
Dielectric Strength	Kv/mm	32,9	43,5	45,2	ASTM-D1000
Cathodic Disbondment	mm.r		6,4		ASTM-G8
Volume Resistivity	$\Omega \cdot m$		$2,5 \times 10^{12}$		ASTM-E257
Water Vapour Transmission Rate	g/m ² . 24h		<=0,08		ASTM-F1249
Water Absorption Rate	%		<0,07		ASTM-D570
Application Temperature Range	°C		-5 a +60		
Colour			White		

SUPPLY

TAPE	Width (mm)	Length (m)	Rolls/Carton	PRIMER	Litres/Can
T150-20	50 / 100 / 150	30	24 / 12 / 8	P29	5/10
T180-30	50 / 100 / 150	30	12 / 6 / 4		
T250-20	50 / 100 / 150	30	24 / 12 / 8		
T280-30	50 / 100 / 150	30	12 / 6 / 4		