



# ECOTAPE



## ECOTAPE 2-Ply System BGD-KG

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 Corrosion Protection.

- **Composition:**
  - **Primer P29**
  - **Corrosion Protection Tape T165-25**
  - **Mechanical Protection Tape T265-25**

## DESCRIPTION

System composed of three elements: Liquid Adhesive, Corrosion Protection 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 Corrosion Protection 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 T165-25 (black)

- 2 Layer Corrosion Protection 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 T265-25 (white)

- 2 Layer Mechanical Protection 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 ECOTAPE 2PLY BGD-KG

- Basic System protection comprising three elements: Liquid adhesive (P29), Corrosion Protection Tape (T165-25), and Mechanical Protection Tape (T265-25).
- Excellent bonding between adhesive and backing thanks to a co-extruded sheet.
- Protection for buried pipes of easy and economical installation.
- Resistant to UV.



# ECOTAPE

## ECOTAPE – DATA SHEET

### ECOTAPE 2-Ply BGD-KG System Tapes

**T165-25 + T265-25 overlap 50%**

CORROSION PROTECTION TAPE TECHNICAL DATA		T165-25	Test/Norm
Thickness mm (mil)	Adhesive	0.31 (12)	ASTM-D1000
	Backing	0.34 (13)	
	TOTAL	0.65 (25)	
Elongation at Break	%	≥400	ASTM-D1000
Tensile Strength	N/10mm	55	ASTM-D1000
Tear Resistance	N/mm	55	ASTM-D1000
Peel Adhesion to Primed Pipe	N/10mm	25	ASTM-D1000
Dielectric Strength	Kv/mm	40	ASTM-D149
Insulation Resistance	Ω. m	2.5 x 10 <sup>12</sup>	ASTM-D1000
Water Vapour Transmission Rate	g/(24h.m <sup>2</sup> )	≤0.1	ASTM-E96
Water Absorption Rate	%	<0.06	ASTM-D570
Application Temperature Range	°C	-40 to +80	
Max Service Temperature	°C	-40 to +80	
Colour		Black	

MECHANICAL TAPE TECHNICAL DATA		T265-25	Test/Norm
Thickness mm (mil)	Adhesive	0.13 (5)	ASTM-D1000
	Backing	0.52 (20)	
	TOTAL	0.65	
Elongation at Break	%	≥400	ASTM-D1000
Tensile Strength	N/10mm	87	ASTM-D1000
Tear Resistance	N/10mm	55	ASTM-D1000
Adhesion to Inner Layer	N/10mm	13	ASTM-D1000
Dielectric Strength	Kv/mm	32.9	ASTM-D149
Insulation Resistance	Ω. m	2.5 x 10 <sup>12</sup>	ASTM-D1000
Water Vapour Transmission Rate	g/(24h.m <sup>2</sup> )	≤0.08	ASTM-E96
Water Absorption Rate	%	<0.07	ASTM-D570
Application Temperature Range	°C	-40 to +80	
Max Service Temperature	°C	-40 to +80	
Colour		White	

ECOTAPE 2-PLY SYSTEM BGD-KG TECHNICAL DATA		T165-25+T265-25	Test/Norm
Impact Resistance	N/10mm	29	ASTM-G14
Penetration / deformation resistance (With no holiday at 22° C)	%	21	ASTM-G17
Cathodic Disbondment	mm	6.8	ASTM-G8
Total System Thickness (50% Overlap)	mm	2.6	

ECOTAPE 2-PLY SYSTEM BGD-KG meets the requirements of KGDCL

## SUPPLY

TAPE	Width (mm)	Length (m)	Rolls/Carton	PRIMER	Litres/Can
T165-25	50 / 100 / 150	30	24 / 12 / 8	P29	5/10
T265-25	50/ 100 / 150	30	12 / 6/ 4		
Other Widths/lengths		Available on request			