



ECOTAPE



ECOTAPE EN 12068 C 50 3-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 efficient product, obtaining a better qualitative level compared to systems based on bituminous adhesive.

Cold applied Anticorrosion Protection.

- **Composition:**
 - **Primer P29**
 - **Corrosion Protection tape T480-30**
 - **Mechanical Protection Tape T280-30**

DESCRIPTION

System composed of three elements: Liquid Adhesive, Corrosion Protection Tape and Mechanical Protection Tape. It is specifically designed for applications on site or mil, 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 its surrounding thus protecting it.



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

ECOTAPE SERIES T400 TAPE (black)

- Asymmetric Three Ply Layer CORROSION PROTECTION Tape with PE backing and butyl rubber adhesive.
- Excellent bonding between adhesive and backing thanks to a co-extruded backing sheet.
- Used as a first layer for the corrosion protection. Inner 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.

T480-30 + T280-30 SYSTEM

- Approved according EN 12068 (former DIN 30672). DVGW Certificate.
- Excellent bonding between adhesive and backing thanks to a co-extruded sheet.
- Easy and economically installed protection for buried pipes.
- Resistant to UV.



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ECOTAPE – DATA SHEET

ECOTAPE EN 12068- C 50 3-PLY SYSTEM TAPES

T480-30 + T280-30

Overlap 50%

TECHNICAL DATA		UNIT	T 480-30	T 280-30	Test/Norm
Colour	inner		Black	Black	
	backing		Black	White	
	outer		Black	-	
Thickness	inner	mm	0,34	0,17	
	backing	mm	0,30	0,63	
	outer	mm	0,16	-	
Elongation at Break		%	650	>=400	ASTM D 1000
Tensile Strength		N/cm	120	50,8	ASTM D 1000
Dielectric Strength		Kv/mm	35	45,2	ASTM D 149
Water Vapour Transmission Rate		g/m². 24h	0,1	<=0,08	ASTM E 96
Fragility Temperature		°C	-46±4	-46±5	DIN 53372
Water Absorption Rate		%	0,1 máx.	<0,07	ASTM D 570

SYSTEM PROPERTIES		UNIT	T480-30 + T280-30 SYSTEM	Test/Norm
Adherence to Steel		N/mm		EN 12068
	23°C		0,9	Annex C
	50°C		0,09	
Adherence to PE (mill)		N/mm		EN 12068
	23°C		0,8	
	50°C		0,1	
Adherence to EP (mill)		N/mm		EN 12068
	23°C		0,7	
	50°C		0,2	
Adherence tape to tape		N/mm		
T480 tape - T480 tape	23°C		2,7	EN 12068
T480 tape - T280 tape			2,6	Annex B
T280 tape - T280 tape			2,5	
T480 tape - T480 tape	50°C		0,3	EN 12068
T480 tape - T280 tape			0,4	Annex B
T280 tape - T280 tape			0,3	
Insulation Resistance		Ω. m²	1,00E+08	EN 12068
Impact Resistance at 23°C		J	18	EN 12068
Cathodic Disbondment		mm r		EN 12068
	23°C		7	
	50°C		27	
Lap Shear Strength		N/mm²		
	to steel		0,05	
	to PE (mill)		0,05	EN 12068
	to EP (mill)		0,05	

DVGW Certificate for T480 – T280 – Primer P29 Baumusterprüfung: 14/154/5180/1 20-Nov.-2.014 (EBI) acc. EN 12068 -C50

SUPPLY

TAPE	Width (mm)	Length (m)	Rolls/Carton	PRIMER	Litres/Can
T480-30	50/100 / 150	30	12/ 6 / 4	P29	5/10
T280-30	50/100 / 150	30	12 /6 / 4		