



Savcor G/T Butyl System
Self-amalgamating tape coating.



The Savcor G/T Butyl System is a self amalgamating wrapping for pipe and pipe joints applied either by hand, or machine. The unique benefit of the system, is that it incorporates a 3-Ply self-amalgamating butyl inner layer and 2-Ply outer layer. The inner & outer layers “inter diffuse” once applied, to provide a seamless pipe coating. The G/T system offers, excellent resistance to Cathodic Disbondment, aggressive adhesion to primed steel substrates, and excellent resistance to stress caused by soil/pipe movement.

The Savcor GT Butyl System meets AS 1518:2002 standard for joint coating to External extruded high-density-polyethylene coating system for pipes.

PE
Butyl
PE
Butyl
Butyl
PE
Butyl
Butyl
PE
Butyl
Primer
Steel Substrate

Savcor G43 (3-Ply Self Amalgamating Innerwrap)

(butyl/polyethylene/butyl)

Typical application: Spiral with 55% overlap onto primed substrate.

Colour Black
Adhesive Butyl rubber & adhesive resins on both sides
Backing Special blend of stabilized polyethylene
Interleaf Film treated with silicone

Physical Properties Test Method Typical Value

Total thickness	ASTM D 1000	0.762mm
Adhesive thickness external	ASTM D 1000	0.254mm
Adhesive thickness internal	ASTM D 1000	0.254mm
Backing thickness	ASTM D 1000	0.254mm
Tensile strength	DIN 30672/1	≥50N/10mm
Tear resistance	DIN 53515	≥55N/mm
Elongation	DIN 30672/1	300%
Shear resistance	DIN 30672/1	0.05N/mm ²
Adhesion to primed Steel @ 23°C	DIN 30672/1	30N/mm width
Adhesion of G43 to G43 @ 23°C	DIN 30672/1	20 N/10mm width
Adhesion of T23/ G43 @ 23°C	DIN 30672/1	18 N/10mm width
<u>Electrical Resistance</u>		
Insulation resistance	ASTM D257	10000000Mohm
Dielectric strength	ASTM D1000	30KV
<u>Moisture Resistance</u>		
Water absorption	ASTM D570	0.1%
Water vapour transmission	ASTM E96	0.2g / sqm / 24h
<u>Temperature range</u>		
Application		-5°C to 70°C
Operational		-15°C to 75°C
Coating resistance to cathodic disbondment	AS4352:1995	Group A

Components:

1. Savcor Butyl Primer
2. Savcor Butyl Mastic Strip – (used for profiling irregular substrates)
3. Savcor G43 – (inner wrap)
4. Savcor T23 – (outer wrap)

Pictures

1. Application of GT system
2. Layer format when tapes applied with a spiral 55% overlap.

Vic/Tas/SA 03 9993 7500	NSW 02 9663 2322	NZ 09 414 5080	QLD/NT 07 3890 8533	WA 08 9248 8999
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Savcor G/T Butyl System

Continued

Savcor T23(2-Ply Outerwrap)

(butyl/polyethylene)

Typical application: Spiral with 55% overlap onto previously wrapped G43 inner wrap.

Colour White Backer (optional black)
 Adhesive Butyl rubber & adhesive resins
 Backing Special blend of stabilized polyethylene

Physical Properties	Test Method	Typical Value
Total thickness	ASTM D 1000	0.500mm
Adhesive thickness	ASTM D 1000	0.200mm
Backing thickness	ASTM D 1000	0.300mm
Tensile strength	DIN 30672/1	≥60N/10mm
Tear resistance	DIN 53515	≥56N/mm
Elongation	DIN 30672/1	300%
Adhesion to primed steel @ 23°C	DIN 30672/1	25N/mm width
Adhesion of T23 /T23 @ 23°C	DIN 30672/1	15 N/10mm width
Adhesion of T23/ G43 @ 23°C	DIN 30672/1	18 N/10mm width
Dielectric strength	ASTM D1000	40KV
Moisture Resistance		
Water absorption	ASTM D570	0.05%
Water vapour transmission	ASTM E96	0.1g / sqm / 24h
Temperature range		
Application		-5°C to 70°C
Operational		-15°C to 75°C
Coating resistance to cathodic disbondment	AS4352:1995	Group A

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