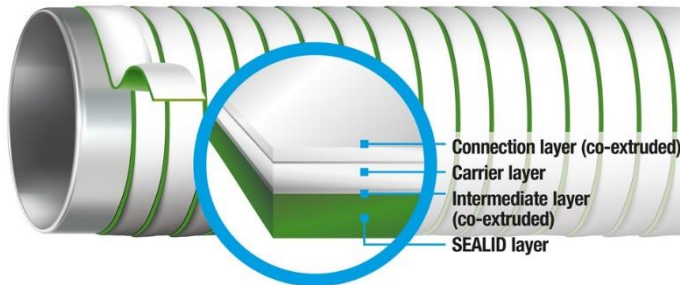


# SEALID<sup>®</sup>-Tape

## Product information



### Special advantages:



- All-in-1** Corrosion and mechanical protection in a single product with just one wrapping process.
- Primer-free**, solvent-free and environmentally friendly.
- For operating temperatures up to **+70°C (+158°F)**.
- Fulfils the requirements of **ISO 21809-3** Type 12A-2 at **+70°C (+158°F)**, with just a 2-ply application (in a single wrapping process).
- C50** EN 12068 Fulfils the requirements of **EN 12068-C 50** and **DIN 30672-C 50** in a single wrapping process.

**Primer-free all-in-one solution for permanent corrosion prevention of steel pipes and pipelines at operating temperatures up to +70°C (+158°F).**

## Product description

**SEALID<sup>®</sup>-Tape** is a **patented global innovation**.

Secure corrosion prevention and also long-term protection against mechanical loads are ensured with one single product without primer, extensive surface preparation or additional application tools. SEALID<sup>®</sup>-Tape fulfils the world's leading standards and differs from all existing solutions.

The resulting benefits are significant:

- Cost saving due to faster work speed with a reduced number of work steps.
  - No primer**
  - No (air-)drying**
  - One single wrapping process**
- Cost saving because of the ease of transport, storage and application as no hazardous substance requirement needs to be met.

- Elimination of risks to health and environmental as the product is **solvent-free**.

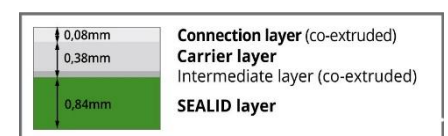
SEALID<sup>®</sup>-Tape has outstanding surface wetting characteristics. The two layers of the spiral-wrapped tape **quickly fuse together** and form a closed and **durable protective hose**. The system is impermeable for water vapour and oxygen and it is resistant against soil bacteria and soil electrolytes.

The product is also distinguished by exceptional properties such as minimised cathodic disbondment together with an extremely high peel and lap shear strength. SEALID<sup>®</sup> tape is manufactured using real multi-layer coextrusion. When spirally wrapped on the pipe, the SEALID<sup>®</sup> coating amalgamates with the connection layer to form a continuously closed hose-type coating of outstanding durability and resistance.

**A single wrapping process** (50% overlap) is enough to fulfil the requirements of **ISO 21809-3** at operating temperatures of up to **+70°C (+158°F)**. The requirements of **EN 12068** and **DIN 30672** for class C50 are also met with a single wrapping process (67% overlap).

The product can easily be applied by hand or using modern wrapping devices.

SEALID<sup>®</sup>-Tape is compatible with PE, PP, FBE, PU and bitumen factory coatings.



SEALID<sup>®</sup>-Tape All-in-1

## Typical product properties

Property	Unit	Typical value	Test method
Outside colour	-	white	-
Inside colour	-	green	-
Total thickness	mm	≥ 1.30	ISO 4591 ASTM D1000
Outside adhesive layer thickness	mm	≥ 0.08	
Carrier film thickness	mm	≥ 0.38	
Inside adhesive layer thickness	mm	≥ 0.84	
Elongation at break	%	600	EN 12068
Tear resistance	+23°C (+73°F) N/cm	140	
Electrical insulation resistance	Ω m <sup>2</sup>	≥ 10 <sup>10</sup>	
Dielectric strength	kV/mm	≥ 40	DIN 53481
Water absorption	+23°C (+73°F) 1 day/30 days %	≤ 0.1 / ≤ 0.4	DIN 53495 ASTM D570
Brittleness temperature	°C (°F)	-46±4 (-50.8±7.2)	DIN 53372
		-58±4 (-72.4±7.2)	GOST 10354

Property	Test temperature	Unit	Typical value		Test method
			2-ply	3-ply	
Impact resistance	+23°C (+73°F)	J/mm	≥ 4.0	≥ 5.0	ISO 21809-3
Indentation resistance (residual layer thickness)	+70°C (+158°F)	mm	≥ 0.65	≥ 1.0	
Cathodic disbondment resistance	+23°C (+73°F)	mm	≤ 10		
Peel strength (inner layer/outer layer)	+23°C (+73°F)	N/cm	≥ 30		
Peel strength (steel surface)	+23°C (+73°F)	N/cm	≥ 15		
Lap shear strength	+23°C (+73°F)	N/cm <sup>2</sup>	≥ 8		
	+70°C (+158°F)		≥ 3		

**SEALID®** Tape is easy to apply by hand. Application is even more efficient when using original **DENSOMAT®** wrapping devices. For **SEALID®** Tape with widths > 50 mm we recommend using the **DENSOMAT®** wrapping device to ensure excellent application quality.

## Ordering information and packaging

	Width [mm]	Length [m]	m <sup>2</sup> /roll	Rolls	Content per box			
					m <sup>2</sup>	m	kg (approx.)	
SEALID®-Tape core Ø 41 mm	30	5	0,15	12	1,8	60	3	
	50		10	0,5	12	6	120	10
	100			1,0	6	6	60	10
	50	20	1,0	8	8	160	13	
	100		2,0	4	8	80	13	
	150		3,0	4	12	80	20	
SEALID®-Tape core Ø 78 mm	50	20	1,0	8	8	160	13	
	100		2,0	4	8	80	13	
	150		3,0	4	12	80	20	

Additional lengths and widths are available on request.

## Storage

When stored in its original, unopened packaging, **SEALID®-Tape** can be stored for at least 24 months after the manufacturing date.

Storage temperature: ≤ +40°C (≤ +104°F)

Store in a dry location and without any pressure on the front side.

**More information:**

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