

Steel Strapping



CorroDefend™

APEX® and MAGNUS® steel strapping range

Anti corrosion shield

10+ times more resistant to corrosion than standard surface coatings.

Designed for challenging conditions

Outstanding resistance to corrosion in damp, harsh conditions associated to long-term or outdoor storage.

100% recyclable

Signode steel strap is made from raw material, that is 100% recyclable.

Produced locally

CorroDefend steel strapping range is produced in Sweden and Germany with the highest quality standards.

CorroDefend™

Anti Corrosion Shield



What is CorroDefend?

CorroDefend is an anti corrosion shield designed and engineered by Signode, available for APEX® and MAGNUS®. CorroDefend coating is applied during production process and acts as an extra layer of protection that will prevent corrosion on steel strap significantly longer than traditional surface coatings. As a result, CorroDefend anti corrosion shield is designed for the most difficult conditions such as moist, harsh environments and temperatures associated with long-term outdoor storage or overseas transports.

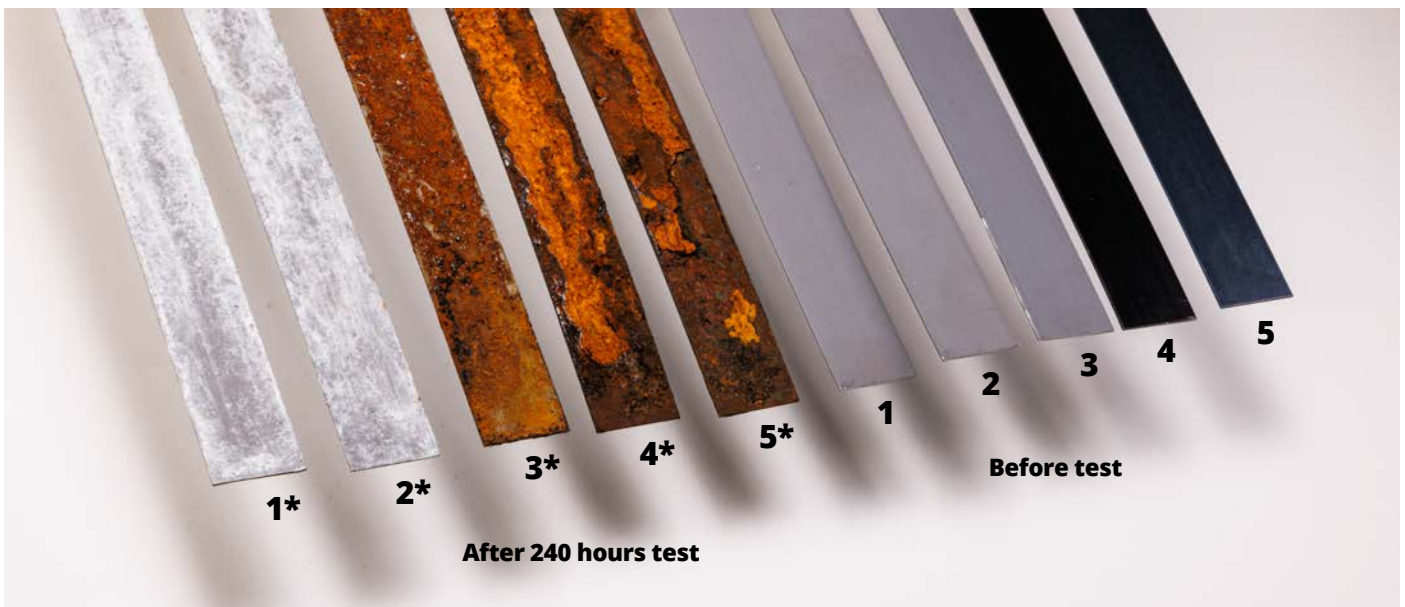


**Results after 240 hours salt spray test*

10+ times more resistant to corrosion*

CorroDefend coating allows steel strap to resist corrosion 10+ times longer than blue annealed, zinc or black painted steel strap. This exceptional resistance makes Apex or Magnus strap with CorroDefend the best choice for moist, rugged and changing environments. APEX and MAGNUS with CorroDefend are available with galvanized finish, waxed and deburred edges.

* Test conditions: Samples were salt spray tested to ASTM B117:2019 standard, placed in a chamber at 35°C and 1.2 bar and exposed to a neutral 5% NaCl salt spray for a period of up to 240 hours



The best corrosion protection for improved security

Corrosion resistance after 240 hours salt spray test, from left to right:

- **CorroDefend Hot-Dip Galvanized** after 240 hours **(1*)** compared to control sample **(1)**.
- **CorroDefend Electro-Galvanized** after 240 hours **(2*)** compared to control sample **(2)**.
- **Zinc Painted** Surface Finish after 240 hours **(3*)** compared to control sample **(3)**.
- **Black Painted** Surface Finish after 240 hours **(4*)** compared to control sample **(4)**.
- **Blue Annealed** Surface Finish after 240 hours **(5*)** compared to control sample **(5)**.

Sustainability

How we are making a difference

Recyclable raw material

Steel strapping range is made using raw materials from trusted sources. Our location also enables us to utilize less packaging when bringing steel products to customers.



Produced locally in Germany and Sweden

Our steel products are produced locally in Germany and Sweden which not only allows for great quality control but ensures a high rate of sustainability.



We produce zero packaging waste

All packaging comes from recycled sources and any packaging waste we produce is recycled again.



Reduces overall emissions significantly

Emissions are reduced across the steel range. Supplying from our European facilities ensures less transportation needs. This enables us to progress with the ambitious targets given in our Twentyby30 sustainability program.



Close proximity to customers

Being closer to customers not only increases our products overall sustainability but ensures quality customer service.



Shipping from local warehousing

Shipments can also be made from various central European warehouse locations.



**WE'LL ALWAYS
PROTECT IT.**

Product specifications

Width (mm)	19
Thickness (mm)	0,6
Coating	Hot-dip galvanized (all waxed)
Winding	Ribbon wound, Oscillated
Coil closure	Spot weld / taped / PP strap
Kg/Coil	28 kg
Coil orientation	Laying
Coils per pallet*	21

Technical specifications*

Tensile strength	800 N/mm ² or [MPa] Avg
Break strength	9,120 N Avg
Elongation A100	1 % Min
Elongation A5	5 % Min

Further information

Number of ribbon wound coils per pallet depends on dimensions.*

APEX with CorroDefend is also available in 25mm, 32mm width and 0,8 mm thickness.

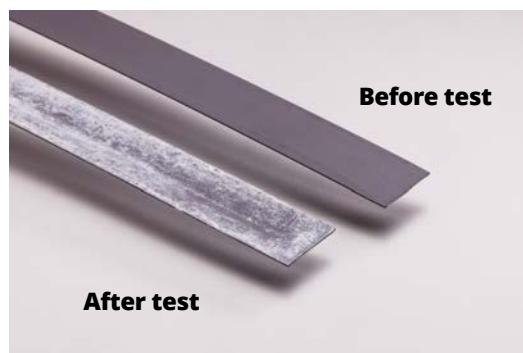
Product



*Technical specification and packaging varies by the dimension of the strap

About CorroDefend

CorroDefend is an anti corrosion shield designed and engineered by Signode, available for APEX® and MAGNUS®. Prevents corrosion on steel strap 10+ times longer than traditional surface coatings. CorroDefend anti corrosion shield is particularly effective for difficult conditions and harsh environments and also improves long term storage security due to its exceptional corrosion resistance.



Hot-dip galvanized CorroDefend treatment after 240 hours salt spray test versus control sample.

Product specifications

Width (mm)	19
Thickness (mm)	0,63
Coating	Electro-Galvanized (all waxed)
Winding	Ribbon wound, Oscillated
Coil closure	Spot weld / taped / PP strap
Kg/Coil	30 kg
Coil orientation	Laying
Coils per pallet*	21

Technical specifications*

Tensile strength	1,020 N/mm ² or [MPa] Avg
Break strength	12,210 N Avg
Elongation A100	6 % Min
Elongation A5	12% Min

Further information

Number of ribbon wound coils per pallet depends on dimensions.*

MAGNUS with CorroDefend is also available in 25mm, 32mm width and 0,8 mm thickness.

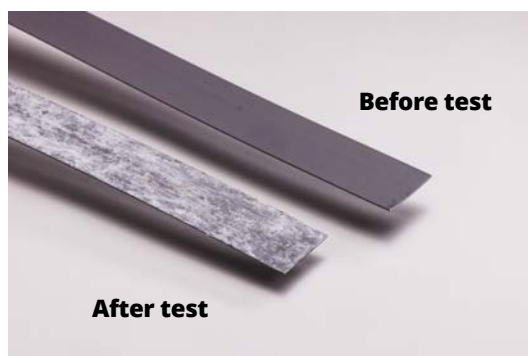
Product



*Technical specification and packaging varies by the dimension of the strap

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Electrogalvanized CorroDefend treatment after 240 hours salt spray test versus control sample.