

LIDA® Grid

Tank Ribbon



Tanks Farm

The LIDA® Grid anode - originally developed for the cathodic protection of steel reinforced concrete structures, it has found a specific application in CP of above ground storage tank, in particular when secondary containment is present.

ADVANTAGES

- It allows to design distributed anode systems in order to reach uniform protection and current distribution
- Easy to handle and install
- Effectively stops the external corrosion on the tank bottoms
- No requirement for calcined petroleum coke backfill, saving time during installation
- Environmentally friendly avoiding the need for drilling and reducing risks, with a secondary containment membrane, in case of liquid leak
- Lower life-cycle costs and extended anode life of over 50 years

APPLICATIONS

- Ground Storage Tanks
- New Tank installations with secondary containment liners

Typical Installations

Material Specifications

TANK MESH RIBBON	Unit	Type 1	Type 2
Current Rating at 10 A/m ²	mA/m	480	240
Current density MAX	A/m ²	10	10
Dimensions Width	mm	20	10
Thickness	mm	0,9	0,9
Unit Length	m		
Weight (approx) per roll of 26 m	g/roll	738	369
Electrical resistance	Ohm/m	0,22	0,43
Max Expected design life	Years	50	50

Current densities and rating to be confirmed by De Nora

Material Specifications

TANK SOLID RIBBON	Unit	1/4" Ribbon	1/2" Ribbon
Current Rating	mA/m	15,1	30,2
Dimensions Width	mm	6,3	12,7
Thickness	mm	0,63	0,63
Cross Section	mm ²	4,03	8,06
Surface Area	m ² /m	0,014	0,0266
Weight	g/m	18,2	36,4
Electrical resistance	Ohm/m	0,14	0,069



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Durantes Vincunt

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