

# LIDA® NET

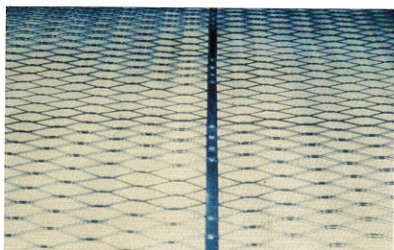
## Mesh Anodes



Viaduct



Guard Rail Sidewalk Detail



LIDA® NET

**LIDA® NET Anode** - is the leading mixed metal oxide anode technology. Reliability is proven with over 110,000 square meters of installed anode surface area in more than 30 countries.

### ADVANTAGES:

- **Even current distribution** the highly expanded mesh pattern provides uniform cathodic protection current to the rebars
- **Pre-fabricated** the LIDA® NET Anode arrives at the job site ready to be rolled out, fastened down and connected
- **Quick all weather installation** no need to wait for curing, mixing of chemicals, cutting of slots or spraying of paints; there are no electrical splices in the concrete
- **Activation coating** mixed metal oxide coating; the LIDA® NET produces mainly oxygen
- **Quality control** LIDA® NET Anode is manufactured under strict quality control procedures, quality control certificates are provided on request

### TYPICAL INSTALLATIONS

#### Material Specifications

Technical data	Unit	LIDA®CN15	LIDA®CN25	LIDA®CN35
Maximum rated current output per unit of concrete surface	mA/m <sup>2</sup>	20	30	40
FHWA maximum anode current density (*)	mA/m <sup>2</sup>	110	110	110
Expected design life	Years	100	100	100
<b>Substrate composition</b>	<b>ASTM B 265 Titanium grade 1</b>			
<b>Catalyst</b>	<b>Mixed Metal Oxide for Oxygen Evolution</b>			
Nominal diamond dimensions	mm	85 x 38	62 x 22	40 x 19
Nominal thickness (Approx)	mm	1.8	1.8	2
Lengthwise Electrical Resistance (1.2 m wide strip)	Ohm/m	0.080	0.070	0.039
<b>Widthwise Electrical Resistance</b>				
With current distributor type 1	Ohm/m	0.013	0.011	0.009
With current distributor type 2	Ohm/m	0.017	0.013	0.011
<b>NET roll nominal dimensions</b>				
Width	m	1.2	1.2	1.2
Length	m	50	50	50
Weight per roll (Approx)	Kg	10	13	16
Weight/m <sup>2</sup> of NET (Approx)	Kg/m <sup>2</sup>	0.16	0.22	0.27
<b>Current distributor</b>	<b>Dimensions</b>	<b>Electrical resistance</b>		
Type 1	15 mm (width) x 1 mm (thickness)	0.037 Ohm/m		
Type 2	10 mm (width) x 0.5 mm (thickness)	0.11 Ohm/m		

\*Anode current density may be increased to 220 mA/m<sup>2</sup>. In the short term, during initial polarization, the anode current density may be increased to 400 mA/m<sup>2</sup>.



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Durantes Vincunt

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