

# TECHNICAL DATA SHEET

## LPI® Chemical Ground Rod

- Provides low impedance earth
- Ideal for installations with limited space
- In compliance to Australian Standard AS1432

### Product description

LPI's Chemical ground rod provides a low impedance earth to effectively dissipate lightning and electrical fault currents. The chemical ground rod is ideal in situations where space is restricted and normal lightning earths such as radial and grid type systems cannot be installed.

The LPI chemical ground rod is combined with LPI's Reslo and mineral salts to provide a maintenance free earthing installation, which provides a low resistance earth. The chemical ground rod provides extended reliable service due to its robust design. This includes a 41.3 mm (Dia) copper tube, used in conjunction with mineral salts and Reslo.

- 2 m or 3 m x 41.3 mm copper tube
- 70 mm cable (pigtail) braised connection
- Mineral salts
- LPI RESLO

The pigtail is braised to the rod prior to supply. This allows for ease of bonding for the Chemical ground rod and ensures a low impedance current path is maintained.

Ordering Code	CHEMROD2M-41.3mm	CHEMROD3M-41.3mm	CHEMROD2MHORIZ-41.3mm	CHEMROD3MHORIZ-41.3mm
Length:	2 m	3 m	2 m	3 m
Installation Type:	Vertical	Vertical	Horizontal	Horizontal
Diameter:	41.3 mm			
Copper Composition:	99.9% minimum			
Standard:	Australian Standard AS1432			
Melting Point:	1083 °C			
Specific Heat Capacity:	0.385kJ/(kg.K)			
Electrical Conductivity (Annealed):	75-90% I.A.C.S.			
Wall Thickness:	1.63 mm			
Copper:	Hard-drawn			
Cap:	Removable type with air breather holes			
Drainage Holes:	4.5 mm Diameter, provided every 40 cm for the length of the rod			
Mineral Salts:	Pre-filled from factory with non-hazardous natural electrolytic salts			
Pigtail:	70 mm stranded copper cable, braised at factory to allow for connection to earthing system			
Weight:	7.0 kg (CHEMROD) 40 kg (RESLO)	10.5 kg (CHEMROD) 60 kg (RESLO)	8.6 kg (CHEMROD) 50 kg (RESLO)	12.1 kg (CHEMROD) 70 kg (RESLO)

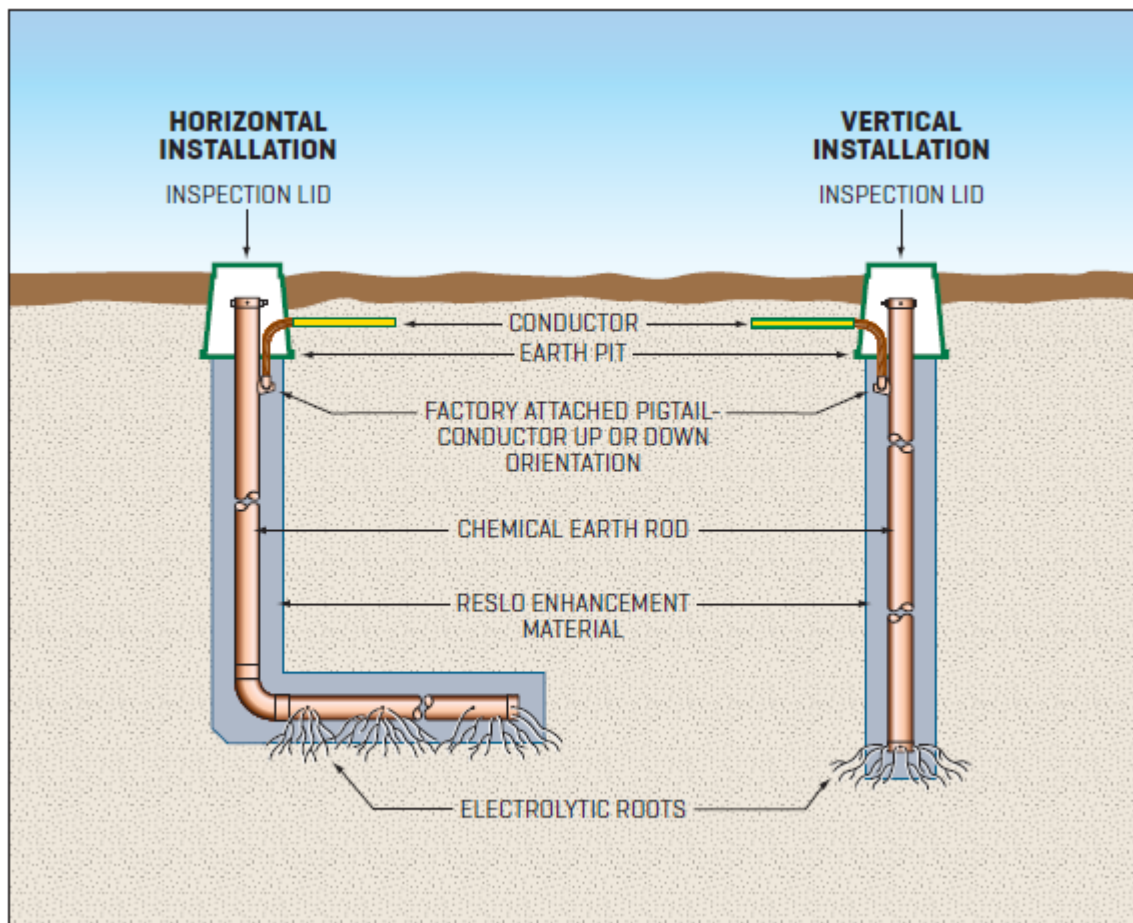
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**Recommended Installation**

The LPI chemical ground rod should not be installed:

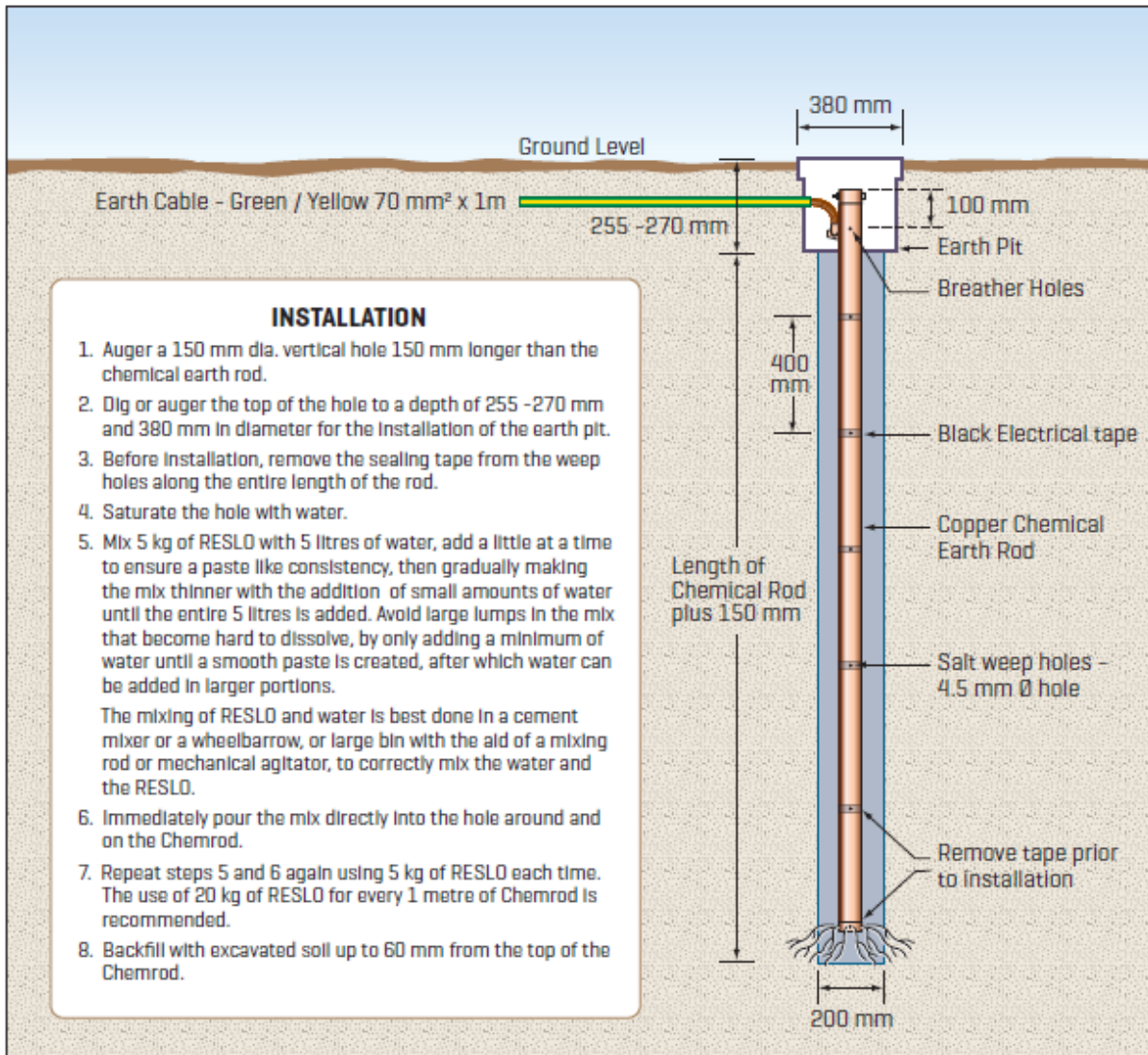
- Within 1.8 m of downpipe or other run off from nearby buildings or trees, or-
- Within 6 m of the edge of ground level which has a steep decline.

Be sure to check site drawings and records for any existing pipes or buried cables in the area where the proposed Chemical Ground rod installation is planned to take place.



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Installation Instructions



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**NOTES:**