

Grounding and Bonding Solutions • Surge Suppression • Lightning Protection



SOLUTION PROVIDERS FOR AN ENERGIZED WORLD™



## **GROUNDING SOLUTIONS TIER ONE:**

The most important and costly investment an organization makes is in their sensitive electronic equipment. As this equipment becomes more sophisticated and electrically susceptible, the need for an exceptionally low-resistance grounding system becomes crucial. It is in response to this requirement that ALLTEC developed the TerraDyne® Electrolytic Grounding System, TerraFill® Low Resistivity Grounding Backfill, TerraWeld® Exothermic Welding System, GroundGuardian® Active Floating Roof Tank Monitoring System, and other protection innovations. You can learn more at [www.alltecglobal.com/groundingsolutions](http://www.alltecglobal.com/groundingsolutions).



Exothermic Welding System

# TerraWeld®

The TerraWeld® Exothermic Welding System provides a superior solution via permanent molecular bonding. The process of exothermic welding is an industry preferred method of making electrical connections because of its inherent molecular-level reliability for conductors and grounding points.



You can learn more at [www.alltecglobal.com/terraweld](http://www.alltecglobal.com/terraweld)

**FEATURES & BENEFITS**

- Maintains current carrying capacity exceeding that of the conductors in the system (necessary for all lightning protection and grounding systems)
- Provides higher fusing capacity than conductors to which they're bonded
- Complies with all regulations for functionality and safety. (TerraWeld®'s system resistance, impedance and ampacity meet all challenges and deliver assurance for your company)
- Provides performance superior to all existing surface-to-surface mechanical retention connectors (pressure type connections are susceptible to variation, aging, corrosion and failure—not TerraWeld®)
- Are the only connections that will not loosen or increase resistance over the lifetime of the installation

TerraWeld® is distributed internationally and meets or exceeds the standards of the following:

- UL 467
- IEEE 80, 837 and 1100
- NEC Article 250
- IEC 62305

**TYPICAL APPLICATIONS**

- Cable-to-cable splices, tee connection, cross run connection, parallel connections, etc.
- Wire grid-to-ground rod, cable-to-rod, steel sheets and pipes and rod-to-rod splices
- Tap conductor-to-vertical/horizontal pipe, flat surface, or plate



- Through conductor-to-vertical/horizontal pipe, flat surface or plate
- Bus bar & wire-to-rail connections
- Solid or stranded cable, metal tape, re-bar, and terminal lug connections

**COMPATIBLE WITH**

- Copper
- Steel
- Columbium
- Bronze
- Iron
- Copper-clad steel
- Stainless steel
- Monel
- Niobium
- Brass
- Silicon bronze



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**WORLD HEADQUARTERS**

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