

THERMOWELD®

GROUNDING | LIGHTNING PROTECTION | CATHODIC PROTECTION | ENERGY

The thermOweld® permanent-connection process has been engineered to be an easy and efficient field welding system. No outside power, bulky gas tanks or other equipment associated with welding are required with the thermOweld® system.



GROUNDING
ENHANCERS



LIGHTNING
PROTECTION

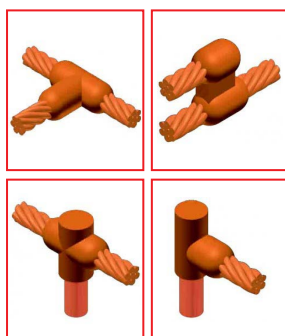


CATHODIC
PROTECTION



ENERGY
TRANSFER

The thermOweld® process creates a permanent, homogeneous and molecular bond that cannot loosen or corrode. Compared to compression connectors, split bolts, crimp connectors, brazing and other connections, the thermOweld® connection is clearly superior. In fact, a thermOweld® connection will also withstand more current than the conductor itself.



Incorporating out EZ Lite® Mold life, ignition is done safely from the top of the mold with limited exhaust emanating from the side vent. This innovation from thermOweld®, combined with other unique features, make even tight field installations possible. For indoor connections where desired, thermOweld® offers low-emissions molds as well. Contractor's worldwide demand thermOweld® for ease of use and the safest operation.

Using thermOweld® superior weld metal, a high-temperature reaction between special formulations of copper oxide and aluminium occurs in the mold crucible. Upon reaching critical temperature, the resulting molten copper drops into the weld cavity, instantly creating a high-temperature molecular bond with the conductor. This weld connection cools rapidly and the mold can be removed for the next connect with thermOweld® special off-set handle clamps. The thermOweld® process creates a superior connection without the excessive applied heat of brazing, arc welding or soldering. This is important especially for welding insulated cables or to thin-wall pipe.

THERMOWELD® FEATURES & CHARACTERISTICS

- Good electrical conductivity.
- Conductors capable of withstanding high fault currents.
- Long life- at least 40 years.
- Low ground resistance and impedance.
- Equipotential bonding.
- Good corrosion resistance.
- Electrically and mechanically robust and reliable.
- EZ Lite® Mold reduces emissions by 50% or more and reduces splatter.
- Easy and efficient field welding system.
- Any field installer or contractor can use.
- Safe and easy operation for tight field and indoor installations.
- Contractor's choice worldwide.

EXPERTS IN EXOTHERMIC WELDING PRODUCTS

SINCE 1958 THERMOWELD HAS BEEN A LEADING SUPPORTER OF GLOBAL INFRASTRUCTURE DEVELOPMENT AND ENHANCEMENTS



REAL WORLD APPLICATIONS, EXOTHERMIC WELD AND THERMOWELD® MOLD EXAMPLES

EXOTHERMIC MOLDS

STANDARD MOLDS

Are used with new clean AWG and Metric wire and cable. Average life of a mold is 50 plus welds - depending on the care.

HEAVY DUTY MOLDS

For use with reused or reclaimed and heavily oxidized AWG and Metric wire and cable. Accepts larger wire diameters.

UNIQUE MOLDS

ThermOweld® has produced over 15,000 unique molds worldwide utilizing CAD engineering and specialised CNC machining capabilities.

SINGLE SHOTS

Disposable and economical way to make cable connections. Eliminates the need for a mold, handle clamps and frames.

SUPERIOR WELD METAL

Shrink wrapped moisture resistant plastic cartridges ensure its always dry and ready for positive ignition every time.

EZ LITE® MOLD

Versatile and allows ease-of-use in hand. Allows you to use weld metal that you already have in your truck or job site on your shelf!

AVAILABLE NOW AT ANODEENGINEERING.COM

ThermOweld® provides high quality products to the Electric, Utility, Telecom and Cathodic Markets

Whether it's our exothermic expertise, the complete grounding product lines we offer, or our UL lightning protection, we have the speed and quality you need with the product customisation you desire.

We offer products for a wide variety of industries and applications; Grounding, Power, Utility, Telecom and Cathodic.

The automated manufacturing of our molds and weld metal assures our product quality is unsurpassed.

Our grounding products are not just limited to our exothermic capabilities. We also manufacture many grounding products that the UL listed including, but not limited to: Ground/Bus Bars, Chemical Ground

Rods, Access Wells, Ground Mesh as well as Gate Jumpers. We have the solution to suit your grounding, exothermic welding and lightning protection needs.

Our UL Lightning Protection products help with the overall protection of your infrastructure. Our air terminals, bases, splicers and conductors are all UL listed.

Contact Anode Engineering for further information
1800 446 400 | www.anodeengineering.com