

Product Datasheet: thermOweld® Exothermic Charges

The thermOweld permanent-connection process is an easy and efficient field welding system. Any field installer or contractor can use the high-grade graphite moulds. Ignition is done safely from the top of the mould with limited exhaust emanating from the side vent.



Using thermOweld's superior weld metal, a high temperature reaction between special formulations of powdered copper oxide and aluminium takes place in the mould 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 mould can be removed for the next connection with offset handle clamps. The thermOweld process creates a permanent, homogenous and molecular bond that cannot loosen or corrode.

thermOweld weld metal is the most reliable and consistently-performing weld metal available. The manufacturing process is supplemented with multiple quality validation steps for every batch produced. Weld metal is specially packaged in moisture-resistant plastic cartridges with special closure caps. The cartridges and required metal discs are then packaged in moisture-resistant boxes with unique manufacturing lot codes providing complete traceability from raw material origination to shipment. Finally, special shrink-wrap plastic is applied to every weld metal box, insuring reliable storage, positive field ignition and superior welds every time. Every individual weld metal cartridge is marked with the size and weight in grams for easy identification, even when separated from the host box.

Anode Engineering recommends the use of copper sleeves with CP cable exothermic welds. For 6mm² sleeves order P/n CACS-06

Other thermOweld Products available from Anode Engineering:

- Moulds
- Handle Clamps
- Copper Sleeves
- Flint Igniters
- Mould Cleaners & Tool Kits
- HT Putty

Cartridge Size	Part Number	Qty per Box
15 grams	CA-15	20
25 grams	CA-25	20
32 grams	CA-32	10
45 grams	CA-45	20
65 grams	CA-65	20
115 grams	CA-115	10
150 grams	CA-150	10

Shipping: Exothermic charges must be shipped by road transport

Related products available from Anode Engineering:

Anodes & Groundbed Materials, Cables, Surge Diverters, Test Point Boxes, Monolithic Isolation Joints, Flange Isolation Kits, Pipe coating tapes and primers.

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