THE CU-NNECT EXOTHERMIC WELDING SYSTEM

Cu-nnect exothermic welding is a simple, economical method of making permanent, very high quality electrical connections. The process uses the high temperature reaction of copper oxide and aluminium, within a semi-permanent graphite mould, to form electrical connections mainly between copper to copper or copper to steel.

No outside source of power or heat is required when using the Cu-nnect system. It is also light and completely portable, making it ideal for field use. It is a straightforward method which requires very little training in order to safely obtain a quality, maintenance free connection, therefore making it both time and cost effective.

Making a Cu-nnect joint is a simple procedure which requires a mould, weld powder, handle clamp and various tools and cleaning accessories as detailed below:

1. Position cleaned conductors in mould after ensuring mould is dry, by pre-heating or making a test joint.

2. Lock mould with handle clamp and place metal retaining disc in bottom of mould crucible.

3. Pour weld powder into mould and place small amount of starting powder on edge of mould for easy ignition.

5. Ignite starting powder using flint gun.

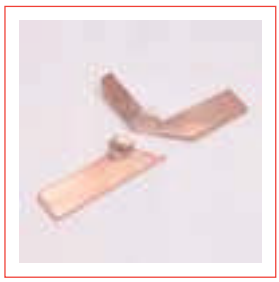
6. Reaction takes place. Wait several seconds to allow metal to solidify before opening mould.

7. Remove weld and clean mould carefully before making next connection.

THE CU-NNECT EXOTHERMIC WELDING SYSTEM

The Cu-nnect electrical connection is a fusion of high conductivity, high copper content alloys which produces a molecular weld. This weld has at least twice the cross-sectional area of the conductors being joined and a current-carrying capacity equal to or greater than that of the conductors, enabling it to withstand repeated fault currents. The weld will not loosen or corrode and is an integral part of the conductor.

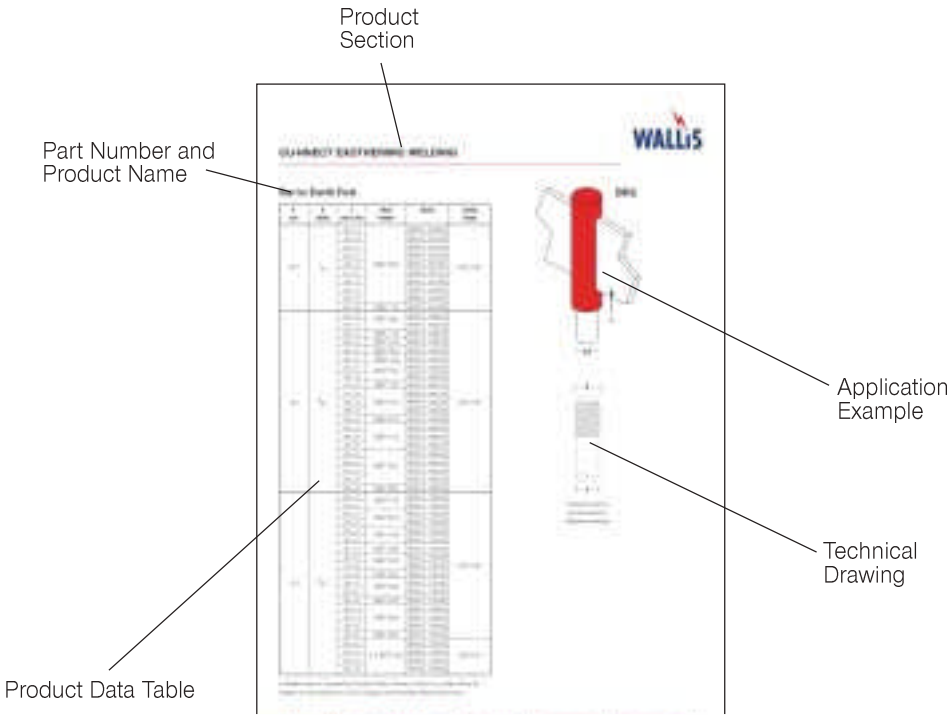
For any additional technical advice or information contact our Sales team.



Using This Catalogue

This catalogue is designed to be as easy to use as possible. To help find the product you need, there is an alphabetical index, part number index and product locator. Every product featured has its own application drawing and product table.

Just phone, fax or e-mail us with your enquiries.



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