

Exothermic welding made efficient

Tablet format and ignition at a distance





Apliworld® Secure+: The most efficient exothermic welding

Earthing systems and their connections must serve during the entire service life of a building. The quality of these connections is assessed according to their conductivity, mechanical strength and service life.

The Apliworld® Secure+ system technology ensures this, exceeding the performance of other welding connections and traditional solutions such as mechanical connections.

The innovative tablet format of **Apliworld® Secure+ and the remote electronic ignition** offer much more efficient results, save costs and make the final execution more comfortable and safe.

The Apliworld® Secure+ welding is therefore considered to be the most efficient connection in three aspects:



PERFECT CONNECTIONS

The joints made with Apliworld® Secure+ exothermic welding have the same or even better conductivity than the conductors themselves, surpassing the performance of any other earth bonding system.



SAVINGS IN OPERATING COSTS

The tablet format simplifies storage and makes operation more convenient and versatile.



PREVENTION OF OCCUPATIONAL HAZARDS

According to NTP1028, remote ignition and the use of non-flammable materials are the safest working conditions.

The Apliworld® Secure+ electronic ignition fulfils both requirements.



Why is Apli weld® Secure+ the most efficient exothermic welding system on the market?

Tablet format compound

- ▶ Very easy to use
- ▶ Minimises errors
- ▶ Does not absorb moisture
- ▶ Reduces residual waste
- ▶ Effective in windy conditions

Unique compound reference for all welds

- ▶ Eliminates various welding tube sizes
- ▶ Reduces stock costs
- ▶ Simplifies storage

Contains no flammable material

- ▶ Avoids unactioned or inadequate ignitions
- ▶ Simplifies logistics and storage risks

Provides electronic ignition at a distance

- ▶ Prevents the risk of projections and burns
- ▶ High starting rate
- ▶ Minimises deterioration on moulds by reducing thermal shock

Perfect connections

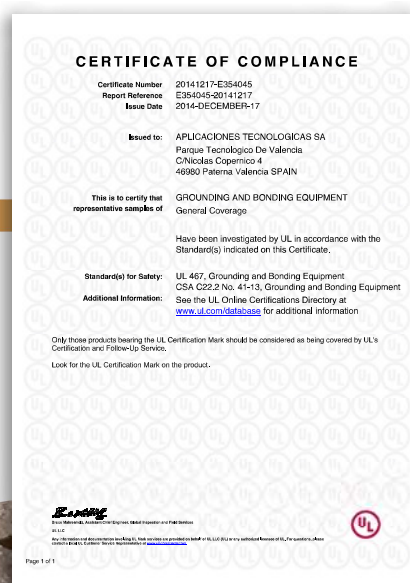
Apliweld® Secure+ exothermic welding is the best way to make permanent, reliable and highly conductive connections in any installation requiring earthing system. The molecular, not just mechanical, bonding secures the connection for a building service life in a well-defined process.

- ▶ Easy to use.
- ▶ Closed method that avoids errors and bad practices.
- ▶ Certified connections.



cUL certification

At the level of electrical connections, and in particular for aluminothermic welding, **the UL467 Grounding and bonding equipment** standard is a reference for the quality and reliability of connections between electrical conductors.



Savings in operation costs

The unique format of Apliweld® Secure+ welding tablets makes it possible to have a unique reference for all charges or connection types, which reduces logistical costs, minimises errors and set-up times and increases process efficiency, even in windy or wet weather conditions.

- ▶ Perform all joint types with single or multiple tablets, eliminating the need for multiple references.
- ▶ Optimise stock rotation and eliminate obsolete stock.
- ▶ Does not absorb humidity, thus avoiding stock expiration.
- ▶ An ignition rate of over 99% avoiding material losses.
- ▶ Reduced mould wear due to less thermal shock.
- ▶ Reduction of waste on site at the end of the work.
- ▶ Makes it easier to deal with unforeseen projects.



Prevention of occupational hazards

ApliWeld® Secure+ guarantees increased safety thanks to electronic remote ignition, now also via Bluetooth remote control and the use of non-flammable ignition material. The electronic remote ignition is **officially recommended by national labour authorities**.

- ▶ Avoids the risk of projections and burns.
- ▶ Avoids risk of unwanted and unexpected ignition.
- ▶ Avoids storage risks.
- ▶ Makes it easier to deal with unforeseen projects.



Certification

NTP1028: safety in aluminium-thermal copper welding. ApliWeld® Secure+ fully complies with the prevention note issued by the Spanish National Institute for **Safety and Hygiene at Work** (INSHT) regarding the correct and safe execution of exothermic weldin..

It has also demonstrated zero flammability, passing the tests for explosive atmospheres at the **Laboratorio Oficial Madariaga (LOM)**.



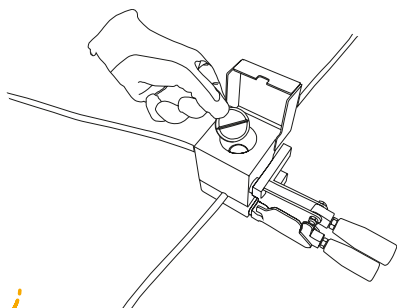
Apliweld® Secure+ system: How it works?

The products that form the Apliweld® Secure+ are:

- ▶ APLIWELD®-T: composed of universal welding in tablets.
- ▶ APLIWELD®-E: electronic initiators.
- ▶ KIT APLIWELD®-E: electronic ignition box.

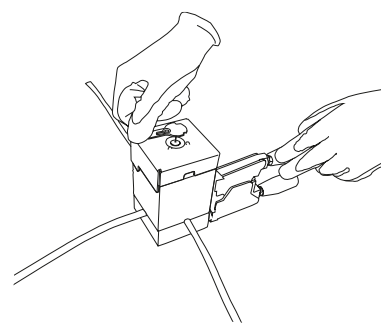


1.



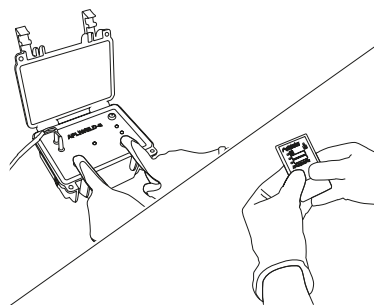
Load the required number of **APLIWELD®-T** tablets into the hopper of the graphite mould. It is indicated on the lid of each mould and on the outer box (TABS).

2.



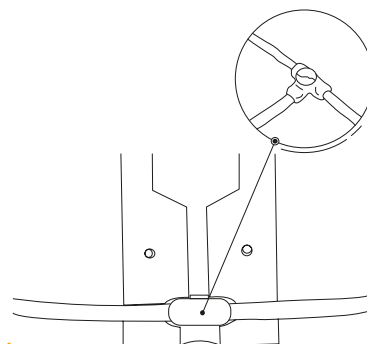
Place the **APLIWELD®-E** over the lid and connect the clamps.

3.



At the same time, press the **two buttons** of the **KIT APLIWELD®-E** ignition system or the Wireless control.

4.



Take the **weld**.

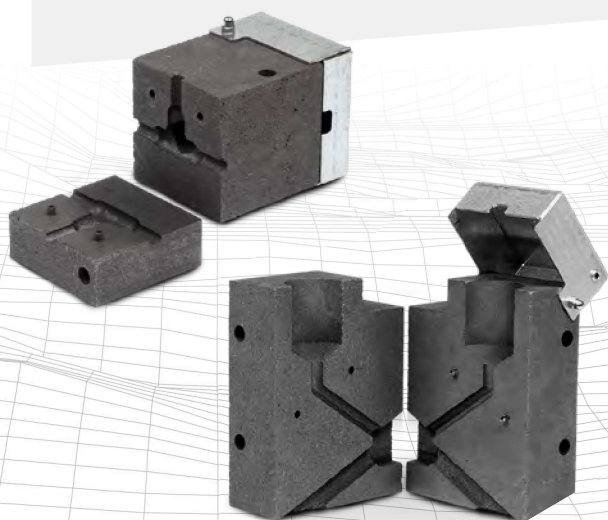
Types of moulds: specific and multiple moulds

Specific mould

Graphite blocks designed to carry out a single type of welding.

They are the most common and each mould reference exclusively carries out welding between two defined conductors (cables, bars, rods...) of precise dimensions (50mm², Ø16mm...), joined with a specific geometry. The same mould can make a minimum of 50 connections until it is replaced.

- ▶ Each connection requires a certain number of tablets. This quantity is indicated on the label and on the lid of the mould.
- ▶ The references of the required moulds can be obtained with the Reference Selector on the website or with the Apliweld Selector app.



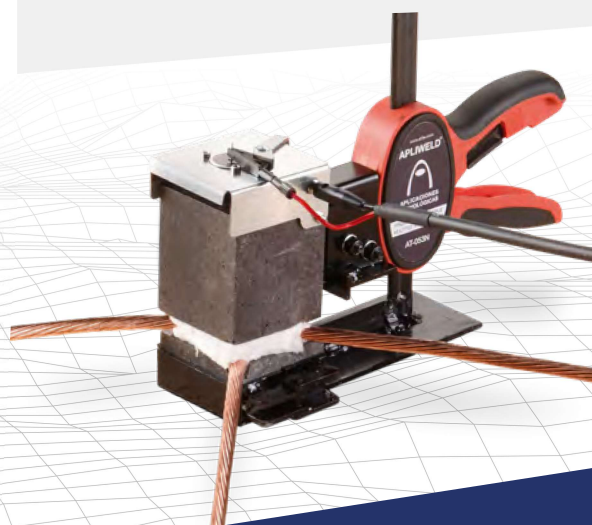
Multiple mould

The most common connections in a single mould.

System that uses the same graphite parts for T, horizontal cross, linear and parallel welding as well as vertical spade welding. Suitable for conductors up to 95mm² or 13mm diameter for cables and rods.

The multi-mould can be used as an alternative to specific moulds when small quantities of various types of welding are to be carried out.

- ▶ It is a practical and versatile product for the small installer and for any job site that requires an unforeseen repair or connection.
- ▶ The case includes clamps, cleaning tools and sealing pads.



Apliweld® Secure+ Selector

It is the new prescription tool for any exothermic welding project. It provides the required references and material quantities through a simple process:

- ▶ Select the conductor type(s).
- ▶ Select the type of joint.
- ▶ Indicate:
 - Measurement system (mm² / AWG).
 - Sections of each conductor.
 - Number of weldings to be made.
- ▶ Repeat the process if there are other types of joint to be made or "Save project".

SELECT THE NECESSARY MATERIAL

DOWNLOAD SOFTWARE



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