

TerraWeld® Weld Metal

All TerraWeld® weld metals are meticulously packaged in individual, state-of-the-art moisture proof foil packs. The starting material is in a separate container within each foil pack. This eliminates weld metal loss due to spoilage and no-start situations. The water proof foil packs increase shelf life and make for easier transportation. Each box of TerraWeld® contains either 10 or 20 foil packs depending on the size of the Weld metal. Most connections involving copper wires, bars, pipes and/or grounding rods will use Type T Weld Metal.



Features & Benefits

Use:	Permanent molecular bonding weld for electrical connections, primarily for below-grade and secondarily for non-mechanically stressed above-grade attachment
Application:	Copper, copper clad steel, steel and related metals in stranded and solid wire, bar, pipe and plate form, horizontal or vertical attachment
Conformance:	IEEE 837, R56 and related standards and recommended practices referencing permanent electrical grounding, bonding and lightning protection connections
Weld Metal Packaging:	Individual sealed foil pack, approx. 5 3/8" x 4 3/4", moisture resistant, gram weight (size) stamped, notched for easy-tear opening
Starting Powder Packaging:	Individual vial, contained within foil weld metal pack
Outer Packaging:	Corrugated box, multiple foil packs, polybag with metal disks, 10 or 20 per
Storage:	Room ambient, protected, for maximum shelf life averaging 2 years

Type T: Copper to Copper and Copper to Steel Connections

Weld Metal	Approx. Weld Metal Weight per Pack	Weld Metal Packs/Box	Weight/Box
T25	25 grams	20	1.6 lbs. (0.73 kg)
T32	32 grams	20	2.0 lbs. (0.91 kg)
T45	45 grams	20	2.6 lbs. (1.18 kg)
T65	65 grams	20	3.2 lbs. (1.45 kg)
T90	90 grams	10	2.5 lbs. (1.34 kg)
T115	115 grams	10	3.4 lbs. (1.54 kg)
T150	150 grams	10	4.1 lbs. (1.86 kg)
T200	200 grams	10	5.0 lbs. (2.27 kg)
T250	250 grams	10	5.9 lbs. (2.68 kg)

Other weld metal is available including:

Type B	is formulated for rail bonding connections. For more information, refer to Section 3.7 .
Type CI	is used for connections with cast iron components.
Type CP	is formulated specifically for cathodic protection applications.

NOTE

- Weld metal types can be distinguished from a colored dot next to the weld metal size on package:
Type T – no dot, Type B – yellow, Type CI – orange, and Type CP – green.