



DATA SHEET

TH650 Zinc/Aluminum

DESCRIPTION

TH650 is a zinc aluminum pseudo alloy drawn down to specific sizes within tightly maintained tolerances. This particular material capitalizes on the sacrificial corrosion protection of both zinc and aluminum. With the addition of aluminum this coating will offer additional protection over that of zinc. TH650 can be found used in a number of industries such as, Oil & Gas, Power Gen, Marine and Electrical to name a few. Used in inland industrial areas as well as saltwater environments.

TYPICAL DEPOSIT CHARACTERISTICS:

- Bond Strength 1,500 with 750 psi being common
- Typical Hardness NA
- Deposit Rate 16-137 lbs. / Hr.
- Deposit Efficiency 60-72%
- Wire Coverage 3 Sq. Ft. @ 8-10 mils
- Surface Finish Textured

SURFACE PREPARATION:

A minimum of a 3 mil anchor tooth using sharp angular grit.

APPLICATIONS:

Bridge I-Beams
 Bridge Girders
 Wind Towers
 Transmission poles
 Light Poles

NOMINAL CHEMICAL COMPOSITION (wt. %):

Zn	Cu	Fe	Mn	Si	Zn	Al	Other
85	.50	.40	.10	.10	.05	15	.13

RECOMMENDED SPRAY PARAMETERS:

Diameter	Air Pressure	Voltage	Amperage	Standoff
1/16", 3/32", 1/8", 3/16"	80-100 psi	30-33 volts	150-650 amps	6-8"

*Parameters are typical and may vary depending on equipment used.

STANDARD SIZES & PACKAGING:

Diameter	Packaging	Drums
1/16" (1.6mm)	44# spool	450#
2mm	44# spool	450#
3/32" (2.3mm)	44# spool	450#
1/8" (3.175mm)	44# spool	450#
3/16" (4.76mm)	44# spool	450#