



A Zinc/Aluminum coating that doubles the life of steel.

ZINC-A-WHAT?

ZINCALUME is 45% zinc/55% aluminum alloy applied by a continuous hot dip coating process. It combines the strength of steel with the corrosion resistance of aluminum. When applied to steel in appropriate conditions, it exceeds the service life of traditional zinc coatings by two times.

COMPATIBLE

ZINCALUME coated panels are highly compatible with all materials except lead and copper. They can be used in contact with traditional zinc-coated sheet steel with complete safety.

ATTRACTIVE

ZINCALUME has a handsome, silvery matte finish. ZINCALUME does not have the harsh glare of traditional chromated galvanized sheets.

DURABLE

ZINCALUME is a better substrate for the application of finishes than a galvanized finish. The spangles inherent in the galvanizing process make the surface less receptive to the adhesion of paint and other finishes than ZINCALUME. ZINCALUME coated panels have a super-smooth surface that readily accepts almost any finish for a longer, more durable life.

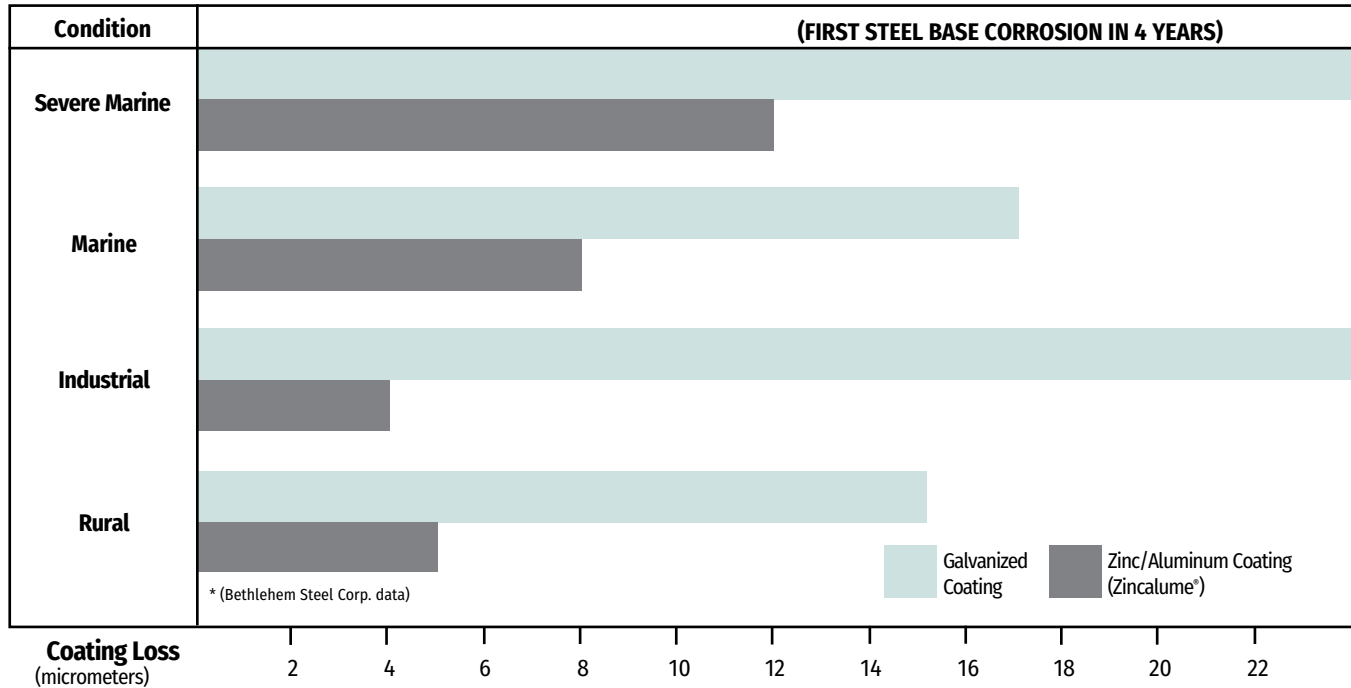
ENERGY-WISE

ZINCALUME coated panels are superior to standard galvanized panels for energy efficiency. They help keep buildings cooler in summer because they effectively reflect the heat of the sun. In winter, they also retain generated heat to maintain warmth.

- Minor differences in both color and appearance are normal and to be expected.
- Inappropriate for intensive animal confinement applications.

A Zinc/Aluminum coating that doubles the life of steel.

COMPARATIVE CORROSION RATES AFTER 14 YEARS*



Tests prove ZINCALUME is twice as tough against corrosion.

TESTED TOUGH

Exposure tests in the U.S. over the past 14 years have proven the superior toughness of ZINCALUME. The conditions and results of these tests are shown above.

Rainwater sample tests in Australia also show zinc-aluminum alloy coatings to be superior. These tests used both distilled water and impure water containing chloride. The distilled water tests show galvanized coatings corroded almost 60 times faster than ZINCALUME coatings. The corrosion rate of galvanized steel in the impure water test was 10 times faster than the ZINCALUME coated steel.

SUPER CORROSION RESISTANCE

The alloy coating of ZINCALUME provides the optimum composition of aluminum and zinc for maximum corrosion resistance and galvanic protection. This super corrosion resistance is illustrated by the exposure tests being held on a continual basis on a variety of tortuous sites.

At each site, samples are placed on racks which face south, and are inclined either 30° or 45° from the horizontal. The corrosion rates are determined by exposing pre-weighed samples of ZINCALUME and zinc-coated steel, removing the corrosion products after various exposure times, and measuring the mass loss. To compare the relative corrosion rates, the mass losses are converted to thickness losses, using the relevant density values. Comparative corrosion rates determined in this way at the various exposure sites after 14 years are shown above.

PERFORMANCE WARRANTY

We believe so strongly in the superior performance of ZINCALUME, we've put our money where our mouth is with a written performance warranty. Just ask your AEP Span representative for details.