



TIERNEY

Electrical Manufacturing Co.

Tierney "Corrositran" Transformers

What "Corrositrans" Are:

The Tierney "**Corrositran**" line of dry-type transformers embodies heavy-duty industrial-type construction along with a high degree of anti-corrosion protection designed to add years of life to dry-type transformers installed in corrosive atmospheres.

Where to Use "Corrositran:"

"Corrositrans" are ideally suited for both indoor and outdoor use in such locations as pulp mills, paper mills, dairies, on docks and piers over salt water - anywhere, in fact, where extremely-moist or highly-corrosive conditions prevail.

Before Tierney "**Corrositrans**," these conditions often meant that the life of dry-type transformers might be shortened as much as 50%.

General Information About "Corrositrans:"

From the double-thick layer of tough insulating varnish on its core and coil to the green urethane or epoxy finish on the enclosure, the "**Corrositran**" is built to withstand severe attacks by corrosive elements. All of the hardware on "**Corrositran**" units are stainless steel to fight corrosion. Outdoor NEMA 3R Corrositran Type Series Industrial / Utility Grade Anti-Corrosion protection with 12 gauge steel, ZRC Coating, Epoxy Primer with Green or Gray Urethane Finish is a Tamperproof Construction with a Pentabolt Limited Security Feature.

Because of the extra built-in protection, transformers in the "**Corrositran**" line can rely on the time-proven "chimney effect" of the circulation of cooling air around and through the core-and-coil assembly. Other transformers without this internal protection must depend on a completely-enclosed design which relies solely on radiation from the case for dissipation of heat. However, during heating and cooling periods, these so-called completely-sealed designs will "breathe," drawing some of the contaminated air inside the enclosure, where it is free to attack the insulation system.

What "Corrositrans" Can Do For You:

With Tierney "**Corrositrans**" you can now place dry-type transformers nearer than ever before to the center of loads outdoors or in moist or corrosive environments. You no longer need to take up valuable wall or floor space for transformers in clean, dry areas to save loads in problem areas.

How to Specify Tierney "Corrositrans:"

Dry-type transformers shall be Tierney Electrical Mfg. Co. "**corrositran**" series, with internal and external corrosion protection.

Add Suffix "COT" to catalog number for "**Corrositran**" feature.

