



Effective Innovation
Superior Engineering & Design

Every ThermoTek Direct-Fired Heater is constructed inside and out using high quality G90 rust resistant galvanized steel. G90 galvanized steel is a carbon sheet steel coated with zinc on both sides by a continuous hot-dip process. The manufacturing process results in a permanent 0.90 oz./sq. ft. layer of zinc chemically bound to the underlying steel. Further descriptions of the manufacturing process can be found published in the ASTM A525 Coating Standard. Listed below are some of the benefits of using G90 galvanized casings:

1. Painted units commonly flake and peel after continued exposure to the elements. Scratches and dents will also compromise the unit's protection. A galvanized coating will not degrade over time, and will protect the unit even in the presence of scratches, dents, and gouges.
2. Based on ASTM A525 Coating Standard, G90 galvanized steel provides up to 30% higher corrosion protection over paint grip steels.
3. The inside of a unit cabinet is exposed to much the same environment as the outside of the cabinet. It is therefore important for every unit to have the same level of protection inside and out. By using G90 galvanized casings, ThermoTek offers this protection inside and out, unlike painted units which will not offer as high of protection inside the cabinet.
4. ThermoTek G90 galvanized steel offers a long lasting, appealing look for you and your customer. G90 steel will not fade as quickly or require refinishing as many of the painted counterparts do when roof mounted.
5. Durable galvanized coatings will not flake, scratch, or chip during the transportation and rigging process, as is common in painted units.

Based on the benefits provided above, we hope you understand the benefits of using unpainted G90 galvanized casings. Unpainted G90 galvanized casings offer you and your customer superior equipment protection both inside and out.