

# Manufacturer's Recommendations

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The best range of application for Ceramic Cover CC Systems 100 is 40 to 80 mils in temperatures ranging from 150°F degrees to 300°F. The product serves all needs regarding corrosion protection, energy conservation and safety. It is the most cost effective product on the market regarding tanks and pipelines. Ceramic Cover CC Systems 100 is a one component application.

One product provides insulation, protection from corrosion, safety and is impervious to environmental conditions; therefore eliminating the cost of several steps of application, (for example, it eliminates the need for sand blasting, primer, top coating and fiberglass wrap). Ceramic Cover CC Systems 100 is applied directly to the substrate with good adhesion and no air pockets, thus, eliminating the problem of sagging or wicking insulation which leads to

corrosion. In tank design, Ceramic Cover CC Systems 100 would eliminate the need for metal studs that support insulation. The cost of material and labor for welding the metal supports would pay for the cost of the coating. In addition, Ceramic Cover CC Systems 100 eliminates the problems of animals destroying the insulation or instances of insect or rodent infestation, a common problem with fiberglass wrapped pipelines.

When specifying Ceramic Cover CC Systems 100 in temperatures over 300°F there is a point of diminishing return regarding cost and safety. According to the Delta T Chart after 100 mils application of Ceramic Cover CC Systems 100 the temperature reduction begins to diminish.

Therefore, you have eliminated radiant heat, but reached the maximum benefit in accordance with cost versus performance. Although 100 mils of Ceramic Cover CC Systems 100 would reduce surface temperature over 200°F, in high temperature ranges the surface temperature may remain above OSHA standards. In regards to safety, at this point it would be more beneficial to specify Ceramic Cover CC Systems 100 wrapped with one inch of standard insulation or fiberglass instead of additional coats. Ceramic Cover CC Systems 100 with fiberglass is the most cost effective rather than either product specified alone. Ceramic Cover CC Systems 100 provides energy conservation and corrosion protection while the small amount of fiberglass provides the additional safety at a less expensive cost in a much smaller space. Areas in excess of eight feet high where safety is not an issue would not need the additional fiberglass wrap.

## ■ Product Limitations

- Ceramic Cover CC Systems 100 should not be applied to surface temperatures less than 34°F or not to exceed 350°F without consulting Envirotrol Inc.
- Application should not be installed in ambient temperatures below 32°F unless surface temperature of substrate exceeds 100°F.
- Ceramic Cover CC Systems 100 should not be mixed with solvents or applied near where solvents may come in contact with the product prior to curing. Prior to application insure all substrates are free of rust, oil, grease, mil-scale, moisture or any foreign substances which might effect adhesion.