

Carbon Steel – Diesel Storage Tanks



Location / Year

Platte Colony, Platte, South Dakota

Fabricator / Applicator

Application by Kermikos Solutions / AlphaGen Materials

Fabrication Details: Resin & System

(3) 12,000 Gal. Carbon Steel Tanks
Vinyl Ester Resin System – Derakane 411
Cerarmix C-1 Material – Non-reinforced
40-50 mil Coating System
Exterior roll applied topcoat/gelcoat 6-8 Mils

Technical Data

Fabricator selected material for low permeation rate (interior) and color stability due to UV degradation of previous coating systems. Added benefit reduces radiant heat gain.

Service Conditions

Ambient Weather conditions
Ranging from -20F to 100F
Wind, Rain and UV .

Design Considerations

Material selected for the outside, due to durability, long service, aesthetics and lack of radiant heat gain. Thus, stopping a significant amount of evaporation and condensation both inside and out. Stop the biologic growing on the tanks surfaces.

Comments

Tanks have been in service since late January 2014. No signs of internal corrosion, no signs of exterior biologic growth or corrosion.