

GLASS TANK LINING

MATERIALS

Glass lining formulation shall contain not less than 60% of refractory oxides such as Silicone Oxide, Aluminum Oxide, Calcium Oxide and Titanium or Zirconium Oxide. The proportion of Silicon Oxide shall be not less than 83% of the refractory oxides and shall not be less than 50% of the total quantity of the components in the glass formulation. The glass lining shall be fused to the steel base by firing at not less than 1400°F.

METAL PREPARATION

All interior surfaces of tanks, including welds and manhole or handhole covers, shall be prepared for glass coating by sandblasting or grit blasting.

GLASS LINING

The glass lining shall be continuous over the entire interior surface of the tank including handhole and manhole covers. The thickness of the glass lining for single coat shall be .007" to .008" and double coat shall be .012" to .015". The double glass conforms to MIL-T-12295 C.

All glass lined tanks shall be provided with Cathodic protection.