



## SPECIFICATION

### PLASTEEL COMPOSITE® DOUBLE-WALL

#### UNDERGROUND FLAMMABLE AND COMBUSTIBLE LIQUIDS STORAGE TANK

TANK SHALL BE UNDERWRITERS LABORATORIES, INC. (UL) LISTED AND BEAR THE LISTING MARK FOR "COMPOSITE SECONDARY CONTAINED UNDERGROUND TANK FOR FLAMMABLE AND COMBUSTIBLE LIQUIDS". LABEL SHALL STATE "THIS TANK PROVIDES TYPE I (360 DEGREES) SECONDARY CONTAINMENT AND CORROSION PROTECTION". THE UL ATMOSPHERIC PRIMARY AND SECONDARY STEEL TANKS SHALL BE OF MILD STEEL PLATE, ALL WELDED CONSTRUCTION, MANUFACTURED TO STANDARD UL 58. THE LISTING SHALL INCLUDE THE UL EXTERNAL PRESSURE TEST PER UL STANDARD 58, PARAGRAPH 18.

THE UL LISTING SHALL COVER THE ENTIRE TANK ASSEMBLY AND THE ENTIRE U.L. LISTED ASSEMBLY SHALL COMPLY WITH UL STANDARD 1746, PART II, EXTERNAL CORROSION PROTECTION SYSTEMS FOR STEEL UNDERGROUND TANKS.

THE TANK SHALL BE COMPATIBLE FOR THE STORAGE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS INCLUDING MOTOR OILS, FUEL OILS AND MOTOR VEHICLE FUELS INCLUDING, BUT NOT LIMITED TO, GASOLINE, GASOLINE BLENDED WITH ETHANOL OR METHANOL, 100% ETHANOL, 100% METHANOL, 100% MTBE, 100% ETBE, AVIATION FUELS, DIESEL FUEL, AND KEROSENE.

PRIOR TO SHIPMENT FROM THE FACTORY, THE EXTERIOR SEAMLESS FRP CORROSION PROTECTION LAMINATE SHALL SHOW NO HOLIDAYS (PINHOLES) WHEN USING A TINKER & RASOR MODEL AP-W HOLIDAY DETECTOR OR EQUIVALENT SET AT 35,000 VOLTS OR WHEN TESTED WITH A VACUUM OF 10" HG ON THE INTERSTICE FOR ONE HOUR.

THE TANK MANUFACTURER SHALL PROVIDE INSTALLATION INSTRUCTIONS AND A KIT OF MATERIALS AND RESIN FOR SEALING ALL EXPOSED METAL ON TANK FITTINGS AND LIFT LUGS DURING TANK INSTALLATION. THE TANK IS TO BE INSTALLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, NATIONAL FIRE PROTECTION ASSOCIATION STANDARD 30 AND THE REGULATIONS OF THE AUTHORITY HAVING JURISDICTION (AHJ).

INTERSTITIAL MONITORING MUST BE WITH A DRY INTERSTICE ONLY USING AN ELECTRONIC LIQUID OR VAPOR SENSOR. THE SYSTEM SHALL BE INSTALLED BY OTHERS PER THE SYSTEM MANUFACTURER'S INSTALLATION INSTRUCTIONS AND OPERATED IN ACCORDANCE WITH THE REGULATIONS OF THE AHJ. IF THE AHJ REQUIRES POSITIVE, CONTINUOUS, INTERSTITIAL MONITORING, THE DRY INTERSTICE MAY BE INSTALLED WITH A CONTINUOUS INTERSTITIAL VACUUM MONITORING SYSTEM. THE INTERSTICE IS U.L. LISTED TO BE SEALED (NON-VENTED) AND IS RECOMMENDED TO BE SEALED LEAK TIGHT WHEN THE TANK IS INSTALLED.

OPERATION OF THE INNER PRIMARY STEEL TANK MUST BE AT ATMOSPHERIC PRESSURE. THE TEMPERATURE MUST NOT EXCEED 150° F (65° C) AND MUST BE OPERATED IN COMPLIANCE WITH THE AHJ.

THE TANK MANUFACTURER MAY PROVIDE, AS AN OPTION, A TANK PRECISION TIGHTNESS TEST METHOD USING A VACUUM APPLIED TO THE INTERSTICE. THIS METHOD MUST BE THIRD PARTY EVALUATED PER THE U.S. E.P.A. ALTERNATE TANK TIGHTNESS TEST METHOD, COMPLY WITH U.S. FEDERAL REGULATION 40 CFR, PART 280, PARA. 280.43(C) AND COMPLY WITH THE AHJ. THIS TEST IS APPLICABLE WHEN A TIGHTNESS TEST IS REQUIRED AFTER INSTALLATION.