

# HighRES Residential Heating Fuel Tank

*Superior Underground Fuel Storage*



## Underground Residential Heating Fuel Storage Tanks

Highland's HIGH-RES Heating Fuel Storage Tanks combine the superior strength of steel with the corrosion protection of polyurethane to produce a top-of-the-line residential heating fuel storage tank.

HIGH-RES tanks are far superior to asphaltum/primer coated tanks. They set the standards by which all other residential fuel tanks are measured.

Highland fabricates HIGH-RES tanks from A-36 mild carbon steel with a 10 gauge minimum thickness. A 3-5 psi factory air test is performed after all the joints, fittings and components are finish welded to ensure air-tight construction.

The tank's exterior surface is prepared for coating by applying a Steel Structure Painting Council, Commercial Steel Grit Blast (SSPC-SP6). This special special surface preparation ensures excellent coating adhesion.

Each tank receives a factory-installed protective corrosion resistant coating that has a time proven track record without parallel. Highland applies a 15 mil minimum coating of the plural component urethane using state-of-the-art equipment in a climate controlled environment.

This 100% solids polyurethane bonds to the steel grit blasted surface completely sealing the tank in a tough protective shell.

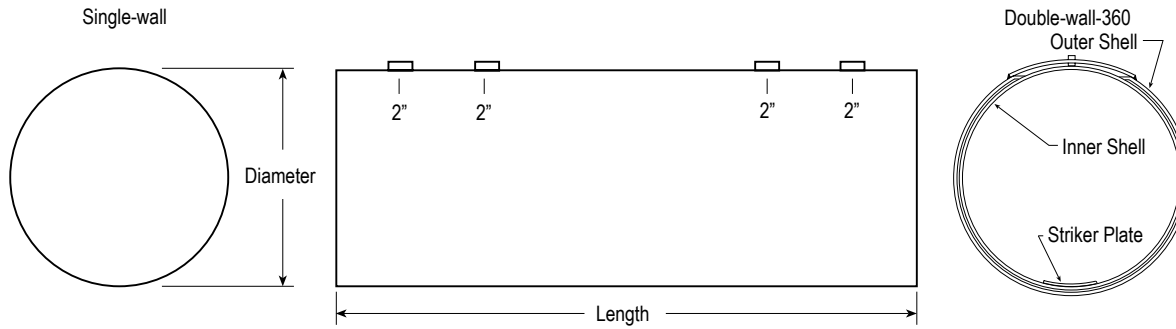
These tanks bear the Underwriters Laboratories U.L. 58 label and are acceptable under the Federal Regulations for underground use.

Highland's HIGH-RES Heating Fuel Storage Tanks are available in single-wall and double-wall construction. Double-wall constructed tanks are available with a 305° or 360° second steel wrap for added protection.

## Standard Features

- Superior Structural Strength Steel
- Pre-Engineered Proven Protection
- Minimum 1/2" overlap welded joints
- Continuous full-fillet exterior lap welds
- 2 Year Limited Warranty

## General Arrangement



| Capacity<br>(Gallons) | Diameter | Dimensions<br>Length | Thickness<br>Gauge |
|-----------------------|----------|----------------------|--------------------|
| 240                   | 3'-2"    | 4'-0"                | 10 ga.             |
| 300                   | 3'-2"    | 5'-0"                | 10 ga.             |
| 300                   | 3'-2"    | 5'-0"                | 7 ga.              |
| 500                   | 4'-0"    | 5'-5"                | 10 ga.             |
| 500                   | 4'-0"    | 5'-5"                | 7 ga.              |
| 1,000                 | 4'-0"    | 10'-9"               | 10 ga.             |
| 1,000                 | 4'-0"    | 10'-9"               | 7 ga.              |
| 1,000                 | 5'-4"    | 6'-0"                | 7 ga.              |

## Recommended Guideline Specifications

Furnish and install a \_\_\_\_\_ gallon (single-wall - double-wall 305°/360°) underground steel storage tank, \_\_\_\_\_ inches in diameter x \_\_\_\_\_ long and \_\_\_\_\_ thick. Tank shall be steel grit blasted and coated with 15 mil minimum a plural component urethane corrosion resistant coating system and in conformance with Underwriters Laboratories' Standard 58.

The tank will have:

- a) \_\_\_\_\_ threaded connections. There shall be \_\_\_\_\_ 4", \_\_\_\_\_ 2" connections as located on drawing,
- 8) Striker plates required under each opening.

The corrosion control system shall be in strict accordance with the coating manufacturer's specifications as applied by Highland Tank. The tank shall bear the UL-58 label and have a 2-year limited warranty.

Tank shall be manufactured by Highland Tank, Stoystown, PA; Manheim, PA; Watervliet, NY or Greensboro, NC.



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