

Red Thread™ IIA, Dualoy™ 3000/L & 3000/LCX Installation Checklist



General

Red Thread IIA, Dualoy 3000/L & 3000/LCX UL/ULC Listed primary and secondary piping systems are rated to the following maximum operating ratings:

Primary: 2" @ 250 psig; 3" @ 175 psig; 4" @ 125 psig **Secondary:** 3"-4" @ 50 psig; 6" @ 20 psig

Owner/Operator (please print & sign name)

Owner & Store No. _____ Job Site Address _____

Owner Site Representative _____ Signature _____

Installation Company and Address _____

Installation Foreman _____ Signature _____

Installation Date(s) _____

Review the **Important Notice Section** on page 2 before completing

Pre-Installation Checklist (indicate date verified after each item)	Installer's Foreman	Owner/Operator Rep.
Installer shall show evidence that: 1. He/She is licensed or certified by the state implementing agency (where applicable). 2. Each bonder on site is current in his/her manufacturer's training (recommended every 3 years).		
Installer has current manufacturer's installation instructions: Installation manual number _____ Manual Dated _____		
Pipe & fittings have UL (Underwriters' Laboratories) or ULC (Canada) label. NOTE: label may be located on the box for some fittings.		
Proper tools and adhesive are on-site per manufacturer's recommendations.		
Pipe & Fittings inspection: 1. Impact or puncture...Cut out. See Footnote 1 for repairs. 2. Damaged tapers...Cut off and re-taper. 3. Check bonding surfaces for ultraviolet weathering degradation. 4. Replace any missing pipe end caps to protect tapers until time to install.		
Trench: 1. Allow for minimum of 6" bedding material. 2. Have required slope per owner's design documents or local requirement. 3. Width: Allow for 4" minimum separation between pipes and 6" minimum from trench walls.		
Approved backfill (NO native soil): 1. Provide backfill per owner's design documents; or at a minimum: 2. Clean washed sand, or 3. Pea gravel - 1/8" to 3/4" particle size, or 4. Refer to Footnote 1 for other backfill materials.		
Installation Procedures (Indicate date verified after each item)		
1. 6" of approved bedding material. 2. Dry fit system prior to adhesive bonding. See Footnote 1. 3. Heat assist required for adhesive curing when temperature is below 50°F (10°C). See Footnote 1. 4. A minimum separation of 4" between pipe runs and 2½" on crossovers. 5. Bedding/backfill supports pipe completely on runs and crossovers. 6. Minimum of 6" approved backfill cover material or more as required by local authorities or design documents. 7. If surface is unpaved, a minimum of 18" of approved backfill (for 2" pipe) is required. See Footnote 1.		
Inspection and Testing (Indicate date verified after each item)		
1. Cocked joints (misaligned tapers). See Footnote 2. 2. Joint Back off, See Footnote 2. 3. Check for proper cure of adhesive bond. See Adhesive Kit instructions. 4. Test piping system in accordance with manufacturer's recommendations or local requirements, See Footnote 3. 5. Secondary containment piping, See Footnote 1.		

See Footnotes on following page

Footnotes:

1. See Installation Manual INS1280. Available at www.nov.com/fgs in the Fuel Handling Document Library. Or, contact your local Sales Representative.
2. Connections must be removed and replaced.
3. It is recommended that after the initial system test has been completed, a low pressure (25 psig maximum) be kept on tested pipe during the completion of the installation, and until after the site is paved. If pressure loss occurs, repairs can be accomplished before system goes into service.

CAUTION: Testing with compressed air is extremely dangerous and is not recommended. If compressed air is used, proceed with extreme caution and follow safety precautions stated in the manufacturer's instructions. Isolate piping system from tank prior to testing.

Important Notice

Please read before completing checklist on page 1.

1. NOV Fiber Glass Systems' checklist addresses subjects of a general nature associated with the installation of Red Thread IIA, Dualoy 3000/L & 3000/LCX piping as a part of underground storage tank (UST) systems. Federal, State and local laws and regulations governing such installations and UST systems should be reviewed. The types of work covered by the checklist should be performed by trained installers.
2. Red Thread IIA, Dualoy 3000/L & 3000/LCX UL/ULC Listed fiberglass pipe installation, when performed by manufacturer-trained installers in accordance with the manufacturer's installation instructions and verified by the installer and the owner/operator representative on an installation checklist, is a method to demonstrate compliance with Federal, State and local laws and regulation governing such installations. The use of non-qualified personnel or any deviations from the recommended procedures could result in damage or leakage of the system.
3. When the installation checklist is complete, one copy should be retained in the installer's files and one copy on the owner/operator's file.
4. NOV Fiber Glass Systems is not undertaking to meet the duties of underground storage tank system owner/operators, employers, manufacturers, or supplier to warn and properly train and equip their employees, and others exposed or in contact with fiberglass piping and materials, concerning their obligations under Federal, State or local laws or regulations, as well as health and safety risks and precautions.
5. Information concerning safety and health risks and proper precautions with respect to particular materials and conditions should be obtained from the manufacturer or supplier of the material, or the applicable material safety data sheet.
6. The installation checklist may be used by anyone desiring to do so. Every effort has been made by NOV Fiber Glass Systems to assure the accuracy and reliability of the information it contains. However, the company makes no representation, warranty or guarantee in connection with this checklist and hereby expressly disclaims any liability or responsibility for loss or damage, including personal, injury or property or other damages or whatever nature, resulting from its use or for the violation of any Federal, State or Local Law or regulation with which this checklist may conflict.
7. If you have questions concerning the proper installation of Red Thread IIA, Dualoy 3000/L & 3000/LCX fiberglass piping, contact the manufacturer.

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