

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE
SPECIFICATION FOR
FIRE HOSE, COTTON-SYNTHETIC,
LINED, WOVEN JACKET, 1 INCH AND 1-1/2 INCH

- Page 4, 3.8. Marking. Delete the last sentence and substitute the following:
Hose markings shall include "FSS"; "450 WP"; the manufacturer's name, trademark or other identification, lot number, and the month and year of manufacture in numeric form (example - 04/99 for April 1999).
- Page 5, 3.10.6. Flexibility and Compressibility. Delete the first sentence and substitute the following:
When tested in accordance with 4.7.5, the applied load shall not exceed 100 lb (444 N) for 1 inch 11-1/2 NPSH hose and 125 lb (556 N) for 1-1/2 inch 9 NH hose when the hose is compressed to 1.0 inch (25.4 mm).
- Page 7, 4.4. Sampling for Inspection. Add the following sentence:
Sampling for inspection shall be on coupled hose ready for delivery.
- Page 8, 4.5. Inspection and Tests. Add the following sentence:
Inspection and tests shall be performed on coupled hose ready for delivery.
- Page 9, Performance Testing. Add the following sentences:
No test sample shall be taken from the first 10 feet (3m) from either end of the hose. When 2 test samples are required, one sample shall be taken from each end.
- Page 11, 4.7.5.2. Preparation of Test Specimens. Add the following sentences:
The 20-inch (0.51 m) sample shall be prepared with a small pinprick every 1 inch (25.4 mm) longitudinal and parallel to the fold on each side, to allow air to escape during compression of the test sample. The pin pricks shall be located 0.4 inch +/- 0.1 inch (10.2 mm +/- 2.54 mm) from each fold on each side of the hose. Each pinprick shall penetrate at least 1 thickness and may penetrate both thickness of hose.
- 4.7.5.3. Flexibility and Compressibility Test Method. Make the following substitution and addition:
Delete "0.5 inch (12.7 mm)" and replace with "1.00 inch (25.4 mm)". Record the measured value 20 seconds after compressing the test sample.
- 4.7.6. Lining and Jacket Adhesion. Add the following sentence:
Two specimens shall be tested and both specimens shall pass.

4.7.6.1. Alternate Lining and Jacket Adhesion–Static Mass Method. Add the following section:

A static mass (dead weight) test method may be used in lieu of the tension compression machine method. The static mass test method shall be conducted in accordance with ASTM D-413. A tension force of 12.0 pounds shall be applied for a period greater than 1.00 minute and not to exceed 1.25 minute. Separation of lining to jacket shall not exceed 1.00 inch per 1.00 minute. Test specimens shall be the strip Type A, 180-degree peel in accordance with ASTM D-413. The plane strips shall have a width of 1.00 inch $+0.125/-0.000$ inch (25.4 mm $+ 3.2/ - 0.0$ mm) and a maximum length of the circumference of the hose. The transverse plane strips shall be taken from the circumference of the hose. The strip specimen shall begin the greatest distance away from a fold in the hose. Two specimens shall be tested and both specimens shall pass.