



## Specification Sheet

### Superior Full Flow – 500 Industrial Rubber Covered Fire Hose 1½”, 2½”



#### Product Information

This full flow rubber covered lay flat hose is lightweight and flexible. Built of specially formulated synthetic nitrile rubber to produce excellent resistance to fuels, chemicals, oils, heat, cold and environmental pollutants. Full Flow Rubber Covered hose is impervious to molds, mildew and other airborne organisms. Designed to be a dependable maintenance free industrial fire hose, it can just be wiped down and returned to service. Full flow can be packed flat and will lay dead straight at full working pressure. The optimized design results in minimum friction loss allowing you to run longer lines and still maintain 100 psi at the nozzle. It exceeds all requirements for NFPA 1961 Sold in lengths of 50’, 75’, and 100’ and available in yellow and red.

Size	Part Number	Service Test PSI	Acceptance Test PSI	Bowl Size	Weight per 50’ Uncoupled	Weight per 50’ Coupled
1½”	15FF5	250 psi	500 psi	1 <sup>13</sup> / <sub>16</sub> ”	10 lbs	16 lbs
2½”	25FF5	250 psi	500 psi	2 <sup>13</sup> / <sub>16</sub> ”	19 lbs	26 lbs

#### Construction

The hose is evaluated in accordance with the principles and practices listed in the NFPA Standard 1961. It is constructed of circularly woven high tenacity yarn coated with highly resistant synthetic nitrile rubber. This forms homogeneous construction without the use of adhesives. The lining and cover have a tensile strength of 1500 psi or greater and an elongation of 400% or more

#### Testing

**Hydrostatic Testing:** All testing is performed in conformance to ASTM and NFPA 1961 testing requirements and standards.

**Accelerated Aging Test:** When subjected to hot air oven aging at 158°F for 96 hours, the tensile strength and ultimate elongation is at least 60% of the original values.

**Heat Resistance:** When subjected to an internal static water pressure of 100 psi, the hose withstands a surface pressure of 1200°F for at least 60 seconds without burning.

**Cold Resistance:** Hose is capable of practical use down to -35°F.

**Ozone Resistance:** When evaluated in accordance with standards ASTM D518, procedure B, 70 hours at 118°F, 100pphm of ozone, the cover or liner shows no visible signs of cracking.

**Chemical Resistance:** Contamination by most chemical substances, oils, greases, hydrocarbons, and exposure to seawater has no effect on the short or long term performance of the hose.

**Abrasion and Wear Resistance:** Long term use is determined in no small measure by the abrasion resistance of the cover of this hose. This hose shows no signs of damage after withstanding 20,000 cycles on the Taber Abrasion Machine in conformance with the abrasion testing procedure detailed in ASTM D2215 and exceeds FM and UL standards.

**Water Absorption:** When tested against the procedure listed in MIL STD 24606 the maximum water absorbance is no more than 5 lbs in a 50-foot length.

#### Couplings:

The hose is fitted with either Storz type Quick connect coupling or lightweight, extruded aluminum alloy, hard coated, rocker lug couplings.

#### Marking:

Completed assemblies of 50’, 75’, and 100’ lengths are stenciled not less than 4’ from each end of the hose using indelible ink. Lettering is at least 1” high stating the name of the manufacturer or coded designation, month and year of manufacture, trade name, country of origin and service test of 250 psi per NFPA 1962.

#### Warranty

Upon delivery the hose shall be guaranteed for a period of 10 years against defects in material and workmanship. The warranty will not apply to damage caused from undue exposure to heat, light, chemicals, moisture, and abrasion. The hose must be used for the purpose it was manufactured for it to remain under warranty. Defective hose will be replaced free of charge.