

STANDARD SPECIFICATIONS FOR WRAPPED COLD WATER HOSE

Serial Designation: D 177 - 24

These specifications are issued under the fixed designation D 177; the final number indicates the year of original adoption as standard or, in the case of revision, the year of last revision.

ISSUED AS TENTATIVE, 1923; ADOPTED, 1924.

Material Covered.

1. These specifications cover hose for use in conveying cold water for other than public or private fire department use.

I. MANUFACTURE

Construction.

2. The hose shall consist of:

- (a) An inner rubber tube;
- (b) Reinforcement of plies of cotton duck;
- (c) An outer rubber cover.

Rubber Tube.

3. The rubber tube shall be smooth, uniform in quality and thickness and free from injurious defects.

Cotton Reinforcement.

4. (a) The reinforcement shall consist of plies of cotton duck cut on a bias of approximately 45 deg., and applied evenly and firmly over the tube with not less than a $\frac{1}{2}$ -in. lap, not sewed. The number of plies shall be as follows:

INSIDE DIAMETER OF HOSE, IN.	NUMBER OF PLYS
$\frac{1}{2}$, $\frac{3}{4}$	3
1, $1\frac{1}{4}$, $1\frac{1}{2}$, 2, $2\frac{1}{4}$	4
$2\frac{1}{2}$ to 4	5

The plies of duck shall be well frictioned on both sides with a rubber compound which shall firmly join the plies to the rubber tube and cover and to each other.

(b) The duck shall be evenly woven from high grade cotton and shall be free from mechanical defects.

(c) The reinforcement shall be sufficiently strong to enable the hose to successfully withstand the hydrostatic pressure test and yet at the same time be soft and pliable.