



# Mercedes Textiles Limited

"Flowing with Technology"

**Myti-Flo®**

5838 Cypihot  
Saint Laurent, Quebec  
Canada, H4S 1Y5  
Tel : 514-335-4337  
Fax : 514-335-9633

**All Synthetic 5/8 and 3/4" (17 & 19 mm) Forestry Hose with GHT and QC couplings  
Superior Performance & Durability  
250 PSIG / 1725 kPa Service Pressure**

**DESIGNED AS A TRUE 5/8 or 3/4" WOVEN ROUND" ALL SYNTHETIC, MOP-UP / DE-CON / SPRINKLER /  
UTILITY / WASH-DOWN FIRE HOSE, FEATURING OUR "LOWEST FRICTION LOSS" LINING.**



## Applications

- ▶ Forestry Mop-Up & Sprinkler Hose
- ▶ Cottage & Forestry Home Values Protection Hose
- ▶ De-Contamination & Wash Down Hose
- ▶ Industrial Applications Hose
- ▶ Marine Fire Hose and RV Potable Water (when specified potable water)

## Features and Benefits

- ▶ Tough and ready for action but light in weight.
- ▶ Our Patented Mertex® lining process produces an amazingly thin but smooth inner waterway, yielding an extremely low friction loss for maximum flow.
- ▶ Available with Permatek™ HP treatment in a variety of colors, for even greater visibility & abrasion resistance. This treatment also greatly reduces moisture absorption through the jacket.
- ▶ Resistant to most chemicals, petrol products, ozone & U.V. exposure, hydrolysis, and rot & mildew.
- ▶ Will remain flexible to -65° F (-55° C).
- ▶ Meets or exceeds all performance requirements of NFPA 1961, Underwriter's Laboratories & Factory Mutual.
- ▶ Available with both GHT and our patented Baby Merlug® 3/4" 19mm QC couplings.

## Patented Mertex® Lining Process

- ▶ Welds the lining directly to the textile while the hose is being woven.
- ▶ This allows the use of high strength Filament Polyester yarn to be used, due to the Mertex® process superior liner adhesion.
- ▶ Locks fibers together for greater strength while still allowing for a high flexibility.
- ▶ Creates a virtually inseparable bond without the use of adhesives. Huge advantage over competitors.
- ▶ Yields an extremely low friction (pressure) loss because the Mertex® process fills the corrugations of the weave, which creates an amazingly thin and smooth waterway.
- ▶ Mertex® lined hose produces lower elongation under pressure. This means less pull back when water is suddenly shut-off, resulting in a safer hose to work with.
- ▶ Permits manufacturing to special lengths. Consult factory for details.

## Permatek™ Treatment

- ▶ Available in the following Colors : Yellow(Y), Blue(B), Green(G), Red(R), Orange(O), Black(K), Tan(T), and Clear C.
- ▶ Locks fibers together for greater strength, reduces water pickup and absorption.
- ▶ Provides protection against abrasion.
- ▶ Provides resistance to Petroleum products and Ozone.
- ▶ Provides for shorter drying times.



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### Bid Specifications How to Specify Myti-Flo®

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#### Scope:

- ▶ Hose manufactured to this specification shall be of superior quality in both workmanship and raw materials. Within the scope of a single jacket construction the hose shall be resistant to wear and tear. The hose shall not deteriorate from the effects of aging.

#### Construction and Features:

- ▶ The hose shall be of single jacket construction.
- ▶ The hose outer jacket shall have a minimum filler yarns of 12.3 per inch (484 per Meter)
- ▶ The hose shall be available in any of eight colors listed with our Permatek treatment, upon request.
- ▶ The hose shall be resistant to most chemicals and petrol products, rot & mildew, hydrolysis, and resist deterioration due to exposure to UV-rays and ozone.
- ▶ Forestry hose manufactured to this specification shall be tightly woven on circular fire hose loom from filament polyester yarn having a minimum of 1000 Denier warp yarn. (Hose made on a flat loom will not be considered as meeting this specification).
- ▶ The hose shall be available with both GHT and Baby Merlug® ¾" 19mm QC couplings.

#### Performance:

- ▶ The hose, in all sizes, shall have minimum service, test, and burst pressures as specified in the Technical Chart. Hoses which do not meet these minimum pressures, shall not be considered as meeting this specification.
- ▶ The hose jacket shall be abrasion resistant, highly flexible, and very snag resistant.
- ▶ There shall, be no defects, dirt, knots, lumps or other irregularities affecting the performance of the hose.
- ▶ The hose must resist kinking and remain flexible to -65°F (-55°C).

#### Lining:

- ▶ The hose lining shall have excellent resistance to most chemicals, petrol products, ozone and U.V.
- ▶ The hose lining shall be capable of being approved for potable water, when so ordered.
- ▶ The thermoplastic lining material used for this specification shall have a flawless record in the fire hose industry.
- ▶ The hose jacket shall be lined by the patented Mertex® method without the use of adhesives or backing material, to lock the fibers in place. The lining material in its molten state shall fill the corrugations of the weave fusing to every warp and filler thread and provide a very smooth and low friction waterway. No adhesive or backing material shall be used to bond the lining and it shall yield maximum flow with minimum friction loss. An inner hose manufactured by inverting an exterior coated hose shall not be considered as meeting this specification. Hose manufactured with the use of adhesives or backing for bonding the liner, or hose made with rubber liners shall not be considered as meeting this specification.

#### Treatment:

- ▶ When requested, the jacket shall be Permatek® treated for greater abrasion resistance, improved visibility & reduced moisture pick-up.

#### Standards:

- ▶ Fire hose manufactured to this specification shall meet & exceed all performance requirements of NFPA 1961, Underwriter's Laboratories & Factory Mutual.

#### Technical Chart

Hose Spec	Trade Size		Bowl Size		Weight 50' (15.2M) Coupled		Coil Diameter 50' (15.2M)		Service Pressure		Proof Pressure		Burst Pressure	
	In.	mm	In.	mm	Lbs	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
810	5/8	16	N/A	N/A	1.5	0.7	8.0	20.3	250	1 725	500	3 450	750	5 175
719	3/4	19	N/A	N/A	1.7	0.8	8.0	20.3	250	1 725	500	3 450	750	5 175