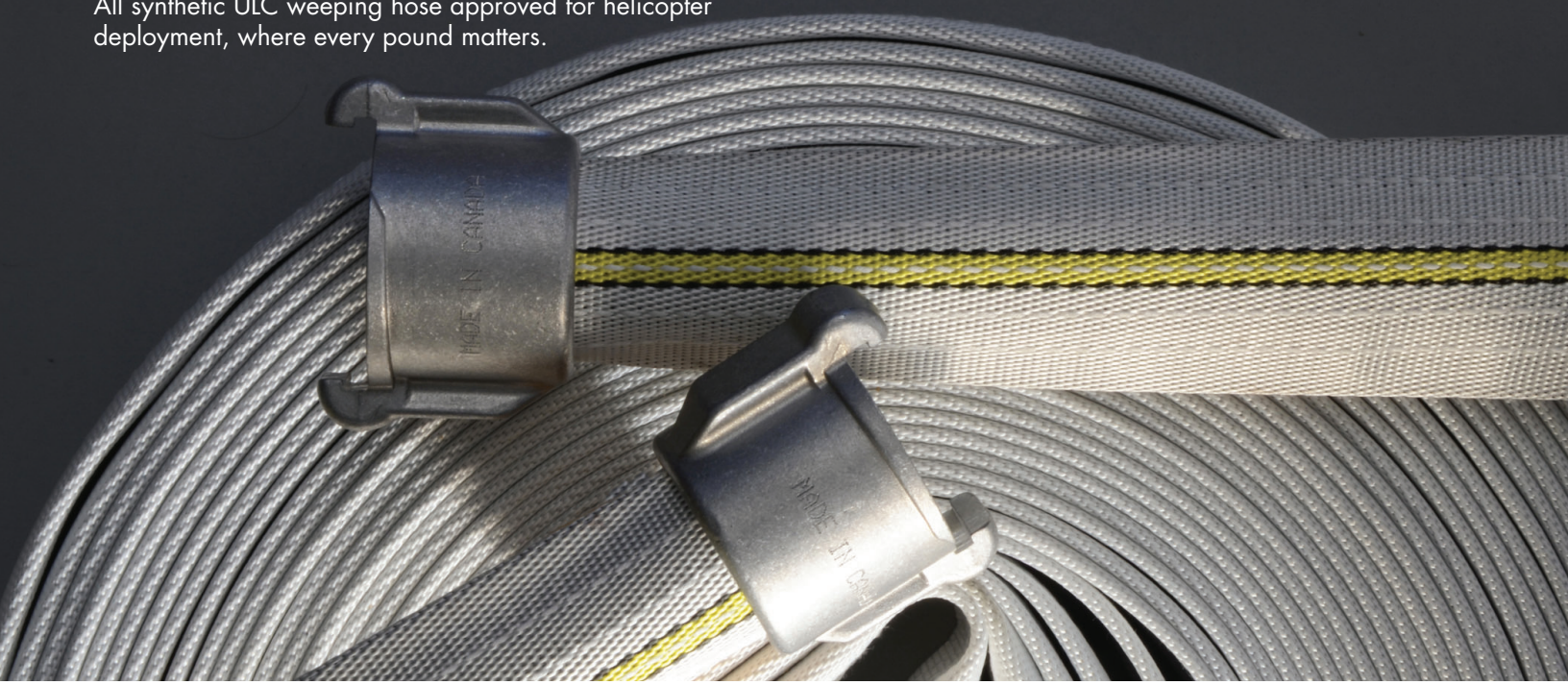
MERCEDES TEXTILES LIMITED
FORESTRY PRODUCTS

PERCOLITE™

All synthetic ULC weeping hose approved for helicopter deployment, where every pound matters.



Applications

- Helicopter attack hose
- Forestry extra light weight, self-protecting, attack hose
- Urban interface, grass fire kits, and mop up hose
- Cottage and forestry home values protection hose

DIAMETERS

- 1.00in/25mm
- 1.50in/38mm

Features and Benefits

- Extremely light in weight
- Unique Hydro-Wick® weeping process producing a "wick"effect to dampen the hose jacket
- Unique Mertex® lining
- Premium all synthetic single jacket
- Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and mildew
- Meets ULC S519.1 requirements and can be labeled upon request in the sizes* specified below

Hose Spec	Trade Size		Bowl Size		Weight Un-coupled 100'(30.5M)		Coil Diameter 100'(30.5M)		Service Pressure		Proof Pressure		Burst Pressure	
	In.	mm	In	mm	LBS	Kg	In.	Cm.	PSI	kPa	PSI	kPa	PSI	kPa
710	1.00	25	1 5/32	29	6.6	3.0	14.0	35.6	300	2 070	600	4 140	900	6 200
711	1.5*	38*	1 11/16	43	9.0	4.1	14.0	35.6	300	2 070	600	4 140	900	6 200

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HOW TO SPECIFY PERCOLITE™

THE HOSE SHALL BE SINGLE JACKET WITH A SERVICE TEST PRESSURE OF 300 PSI / 2070 KPA.

JACKET
The hose jacket shall be made with high tenacity filament polyester yarn in both the warp and weft directions, to provide maximum strength to weight ratio and shall have a minimum filler (weft) yarns of 11.1 per inch (435 per Meter).

The hose shall be self-protecting by percolating just the right amount of water through the jacket for even protection along its entire length. This Weeping process shall be achieved by weaving the yarn through the liner thus producing a "Wick" effect to dampen (wet) the hose jacket.

LINING
The lining (waterway) must be made from polyurethane and must be applied using a fused process that welds the polyurethane directly to the textile while the hose is being woven, without the use of adhesives or hot melt. The fused lining process must create a virtually inseparable unit without the use of adhesives, yielding an extremely low friction (pressure) loss by filling in the corrugations of the weave, creating an ultra thin and smooth waterway. Fire hose made using adhesives of any type do not meet this specification. The lining shall be approved for use with potable water.

ADHESION
The adhesion shall be such that the rate of separation of a 1 ½" / 38mm strip of polyurethane, transversely cut, shall not be greater than 1/4" / 6mm per minute under a weight of 12 lbs / 5.5 kg.

FLOW AND FRICTION LOSS
The 1 ½" (38 mm) hose shall be capable of flowing 70 US GPM (264 LPM) with a maximum pressure loss of 10 PSIG (69 kPa) per 100' (30.5M).

SERVICE, TEST, BURST PRESSURES
Minimum service, test and burst pressures shall be as detailed in the specification table on the previous page.

KINK TEST
A full length will withstand a hydrostatic pressure of 600 psi / 4140 kPa while kinked.

WEIGHT
Each length of fire hose shall not weigh more than indicated in the specification table.

COUPLING SPECIFICATIONS
Couplings shall be in conformance with the current NFPA standard and made of extruded aluminum, hard coated a minimum of .002" thick. They shall be manufactured in North America and permanently labeled with country of origin.

The hose shall be available with threaded and quarter-turn threadless (QC) couplings. When quarter-turn threadless (QC) couplings are specified they shall have extended lugs to facilitate rapid connect and disconnect.

MANUFACTURE
Both hose and couplings must be manufactured in North America and be NAFTA compliant.

STANDARDS
The hose shall be ULC S519.1 approved and can be labeled upon request in the sizes specified*

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