



MATEx
hose



**MUNICIPAL
CATALOG**

matexhose.com

HOW IT ALL STARTED

The story of MaTex Hose traces back to a single spark of inspiration and an unwavering resolve to turn dreams into reality. From that pivotal moment, our journey began, fueled by passion and an unyielding commitment to success.

OUR STORY

Every great journey begins with a story. Ours is no different. MaTex Hose is a wholesale and manufacturing facility of lay flat hose located in Dothan, Alabama.

MaTex was founded by Toby Mathews in December of 2016. Toby has more than 30 years of manufacturing experience and is an expert in his field of lay flat hose provided to the fire service, agriculture, irrigation, forestry, marine, mining, military, hydraulic fracturing, and pipe rehabilitation markets.

MaTex's goal is to help to solve our customer's liquid transfer needs and to ensure that the best possible product on the market today is correctly used for every application. MaTex represents only the best producers of raw materials of ring-spun staple polyester, high tenacity filament polyester, aramid yarns, nylon 6.6 yarns, PVC Nitrile, EPDM and polyether polyurethane manufacturers, brass and extruded aluminum couplings.

At MaTex Hose, we guarantee that the hose you receive will endure throughout its intended service life. We back every product we manufacture with unwavering confidence, adhering to our motto: 'If the customer isn't satisfied, we'll make it right!'

MaTex Hose can help with flow testing questions, NFPA 1930 & 1960 standards, UL-19, FM, Kitemark, British Standards, USDA forestry standards and MIL-H-24606,

and a variety of other MIL spec standards. We have relationships with some of the most aggressive and active firefighting departments in the world.

At MaTex Hose, we specialize in crafting tailored firefighting solutions to meet your specific needs. Whether it's selecting the ideal nozzles or matching the perfect hose for your application, we're here to guide you every step of the way. With our expertise in designing and manufacturing a wide range of lay flat hoses, we ensure that your requirements are met with precision and efficiency.

We know how to get the job done! So, if you think hose, think MaTex Hose. Feel free to call us at 833-705-HOSE (4673) for further information. We are the TRU industry leader in all things lay flat hose.



OUR VISION

Our vision at MaTex Hose is clear: to lead the industry as the premier manufacturer of lay flat hoses, setting the standard for excellence and personalized service. We are dedicated to upholding this vision by producing top-quality hoses, offering unparalleled customer service, and ensuring swift turnaround times on all orders.





MUNICIPAL CATALOG

ATTACK HOSE

Icon

Nitrex

Nitrex HD

Pac-lite

Platinum

Cobra Combat

SUPPLY HOSE

Nitrex LDH

Pac-lite LDH 4" & 5"

PREMIUM LIMITED EDITION

Cobra Black Ops

Platinum Black Ops
(contact customer service for data sheet)

FORESTRY HOSE

Forestry T2

Boostex

Hardwall Booster
(contact customer service for data sheet)



FEATURES

- All Polyester Double Jacket Rubber Lined Attack Hose
- Exclusive Pu Based Color Coating To Aid Abrasion Resistance And Color Leaching
- Reverse Twill Inside Jacket For Ultra-Smooth Liner Surface

ICON

DOUBLE JACKET HEAVY DUTY RUBBER LINED ATTACK HOSE

- Designed for all nozzle applications and specifically higher pressure nozzles
- Temperature Range: -65 F To 112 F
- 10 Year Manufacturer Warranty
- Lengths Available To 100'
- Diameters: 1 1/2", 1 3/4", 2", 2 1/2", 3"
- Lifetime Warranty Against Tube Delamination

HOSE SIZE AND SPECIFICATIONS

INSIDE DIAMETER	BOWL SIZE	WEIGHT/FT. COUPLED	WORKING PRESSURE	TEST PRESSURE	BURST PRESSURE
INCHES	INCHES	POUNDS	PSI	PSI	PSI
1 1/2"	1 15/16"	.34 lbs	400 psi	800 psi	1200 psi
1 3/4"	2 1/8"	.41 lbs	400 psi	800 psi	1200 psi
2"	2 13/32"	.46 lbs	400 psi	800 psi	1200 psi
2.5"	2 15/16"	.56 lbs	400 psi	800 psi	1200 psi
3"	3 1/2"	.75 lbs	400 psi	800 psi	1200 psi

Meets All the Requirements of NFPA 1961 (1960) Standard on Fire Hose
 Meets and exceeds UL-19 and FM standards
 Meets and exceeds MIL-H-24606b standards
 Meets and exceeds A-A-52226A standards

QUALITY

MaTex Icon supplied under the specification is a premium quality double-jacket municipal fire hose. All materials used in the fabrication of the hose shall be of the **best quality commercially available**. MaTex Icon is manufactured to meet NFPA 1961 (1960) standards.

JACKETS

The jackets shall be evenly and firmly woven, free from unsightly defects, dirt, knots, lumps, irregularities or twist that might affect the serviceability of the finished product. Each jacket shall be seamless and shall have polyester filler yarns woven around the hose throughout its length, with the warp ends interwoven with the warp yarn covering the filler yarns. Warp ends of both the inner and outer jackets shall be spun polyester developed, designed and processed for the fire hose jacket warp yarns. The use of nylon, polyamide, or rayon yarns used in the warp or filler direction is not allowed. The use of any warp yarns of filament or entangled construction is expressly forbidden. Filler yarns of both the inner and outer jackets shall be high-tenacity filament polyester developed, designed, and processed for the fire hose jacket filler yarns. These filament polyester yarns shall be free from defects that are unsightly or may affect the serviceability of the finished hose. The spun polyester warp ends must completely cover and protect the filament polyester filler yarns. The inner jacket shall be of reverse twill weave, to allow for a smooth waterway.

LINING

The rubber shall be a single ply extrusion of EPDM polymer which naturally resists ozone and oxidation. Styrene Butadiene Rubber (SBR) which is not a natural resistor is Not Acceptable, Thermoplastic liners such as polyurethane is also Not Acceptable. The surface must be smooth and free from corrugations. The lining thickness shall be tightly controlled to reduce weight and kink radius. The thickness of the hose should be 1½", 1¾", 2", 2½" & 3": 0.034 to 0.046"

ADHESION

The adhesive must be of uniform thickness around the circumference of the lining. Calendered adhesive with an overlap is not acceptable. The adhesion shall be such that the rate of separation of a 1½" strip of lining, transversely cut, shall not be greater than 1" per minute under a weight of 18 lbs. No Exceptions.

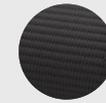
LOW TEMPERATURE FLEXIBILITY

The hose shall be capable of performing in sub-zero conditions. A 3-foot section of hose shall be exposed to a temperature of -65° F for a period of 24 hours. exposure period, and while maintained at the -65°C exposure temperature, the hose shall be rapidly bent 180° double on itself, first one way and then the other. There shall be no cracking or breaking of the jacket or liner. Leakage shall be cause for rejection.

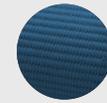
WARRANTY

The fire hose furnished under the terms of this proposal has a potential service life of ten years, barring mistreatment or accidental damage that would render the hose unfit for service. MaTex warrants the hose to be free from defects in materials and workmanship for a period of ten years. This warranty shall provide for the repair or replacement of hose and couplings proven to have failed due to faulty material or workmanship.

COLORS



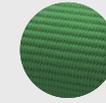
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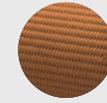
BLUE



CLEAR



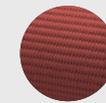
GREEN



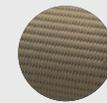
ORANGE



PURPLE



RED



TAN



YELLOW

IMPREGNATION

The emulplast polyseel color impregnation is a proprietary process applied to the outer jacket by a mechanical process and cured into the jacket by a thermal process. This includes a polyurethane coating which increases abrasion resistance by 3 times over standard impregnation. It greatly increases heat and flame resistance, almost eliminates water pickup and adds superb resistance to petro chemicals and displays extreme resistance to bacterial and mildew growth.

WARP

The hose shall not warp more than 20" from a straight line drawn from center to center of the fittings at the ends of the hose, and the hose shall not rise from the table.

KINK TEST

A full length shall withstand, while kinked, without failure, a hydrostatic pressure of 500 psi.

EXPANSION

The expansion in circumference of the hose between 10 and 800 psi shall not exceed 8%.

HYDROSTATIC TEST

Hydrostatic tests shall be conducted on hose equipped with the couplings to be delivered in accordance with NFPA 1961 (1960). Each length of hose is to be subjected to a hydrostatic proof test pressure of 800 psi for at least 15 seconds and not more than 1 minute. Twist: The hose shall not twist more than 4-1/4 turns per 50 ft. for the 1½", 1¾", and 2" sizes, and not more than 1¾ turns per 50 ft. for the 2½" and 3" sizes under a pressure of 800 psi. No final twist in a direction to loosen the couplings shall be permitted.

BURST TEST

A 3-foot sample of hose chosen at random shall stand without failure a hydrostatic pressure of 1200 psi while lying straight or curved on a 27" radius. Retention of the coupling to the hose shall equal or exceed the burst pressure..



MATEX hose



FEATURES

- Nitrile/PVC through-the-weave rubber covered construction
- Good resistance to abrasion in standard rib
- Excellent resistance to abrasion in HD rib
- Superior Heat Resistance

- High resistance to oil, gasoline, and a wide range of chemicals
- Lightweight hose, remaining flexible even at low temperatures
- Diameters: 1", 1 1/2", 1 1/2" HD, 1 3/4", 1 3/4" HD, 2", 2" HD, 2 1/2", 2 1/2" HD, 3", 4", 5", 6"
- Easy to handle and coil
- High burst strength
- No maintenance or drying required
- Designed for 10 years of service life
- 10 Year warranty
- Lifetime Warranty against tube delamination

Meets All the Requirements of NFPA 1961 Standard on Fire Hose

NITREX

THROUGH THE WEAVE NITRILE/PVC RUBBER COVERED HOSE

HOSE SIZE AND SPECIFICATIONS

INSIDE DIAMETER	BOWL SIZE	WEIGHT/FT. COUPLED	WORKING PRESSURE	TEST PRESSURE	BURST PRESSURE
INCHES	INCHES	POUNDS	PSI	PSI	PSI
1"	1 3/16"	.18 lbs	300 psi	600 psi	900 psi
1.5"	1 3/4"	.31 lbs	300 psi	600 psi	900 psi
1.5" HD	1 3/4"	.33 lbs	300 psi	600 psi	900 psi
1 3/4" HD	1 15/16"	.38 lbs	300 psi	600 psi	900 psi
2"	2 5/16"	.42 lbs	300 psi	600 psi	900 psi
2" HD	2 5/16"	.44 lbs	300 psi	600 psi	900 psi
2.5"	2 3/4"	.50 lbs	250 psi	500 psi	750 psi
2.5" HD	2 3/4"	.56 lbs	300 psi	600 psi	900 psi
3"	3 3/8"	.58 lbs	250 psi	500 psi	750 psi
4"	4 5/16"	.79 lbs	250 psi	500 psi	750 psi
5"	5 5/16"	1.05 lbs	225 psi	450 psi	675 psi
6"	6 5/16"	1.40 lbs	225 psi	450 psi	675 psi

QUALITY

MaTex Nitrex supplied under this specification is a premium quality through-the-weave rubber covered hose. All materials used in the construction of MaTex Nitrex shall be of the best quality commercially available. MaTex Nitrex is manufactured to meet NFPA 1961(1960) and UL-19 standards.

HOSE CONSTRUCTION

Hose shall be made from 100% high tenacity synthetic polyester yarn, circularly woven and completely protected by a through-the-weave extruded PVC/Nitrile rubber (30%/70%), forming a single homogeneous construction without the use of glues or adhesives of any type. MaTex Nitrex shall have a thin rib for standard Nitrex construction and a heavy rib for HD version to aid abrasion resistance. Hose will meet or exceed requirements of NFPA 1961 (1960) for abrasion resistance. Hose shall carry a 10-year written warranty against defects in materials and workmanship. Materials used in construction of the hose shall be new, unused and not less the the quality conforming to modern engineering and manufacturing practices. Materials shall be free of defects and suitable for the service intended..

LINING PROPERTIES

The tensile strength of the lining and cover shall not be less than 1200 psi with an ultimate elongation of 400%. The tensile strength and ultimate elongation of the vulcanized rubber compound which has been subjected to the action of oxygen at a pressure of 300 psi (+/-10psi) and a temperature of 158F (+/-18F) for a period of 96 hours shall retain 60% of its originally stated properties.

ABRASION RESISTANCE

Hose shall withstand 10,000 cycles on the Taber Abrasion Machine (H-22 Wheel: 0.5KG) without exposing the liner. Hose manufacturer on request will supply written warranties that hose meets a minimum 10,000 cycles. Other abrasion test results (UL, DIN, etc.) shall be supplied on request of purchaser.

OZONE RESISTANCE

Hose shall show no visible signs of cracking to the lining or cover when tested in accordance to ASTM D518 Procedure B (100 pphm/118F/70 hours).

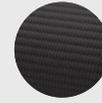
COLD RESISTANCE

Hose shall have a capability of use down to -65F. Hose shall have no apparent damage to cover, reinforcement, or lining when subjected to the following cold flexibility test:
A 50' length of dry hose is to be firmly coiled and placed in a cold box at -65F for a duration of 24 hours. Immediately after removal of the hose from the box, hose should be uncoiled and laid out by one operator.

CHEMICAL RESISTANCE

Short-term exposure to sea water and contamination by most chemical substances, including hydrocarbons, oils, alkalis, acids, and greases shall have no effect on the short- or long-term performance of the hose.

COLORS



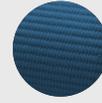
BLACK
1 1/2", 2 1/2", 4"



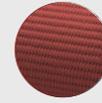
ORANGE
1 3/4", 3", 4", 5"



GREEN
1 3/4", 4", 5"



BLUE
1 1/2", 1 3/4", 2",
2" HD, 4", 5"



RED
1 1/2", 1 1/2" HD,
1 3/4" HD, 2", 2" HD,
2 1/2", 2 1/2" HD, 3",
4", 5", 6"



YELLOW
1", 1 1/2", 1 1/2" HD,
1 3/4" HD, 2", 2" HD,
2 1/2", 2 1/2" HD,
3", 4", 5", 6"

Other colors available upon special request and may require MOQ. Please contact MaTex customer service for details.

HEAT RESISTANCE

The hose, when subjected to a static pressure of 100 psi, shall be capable of withstanding a surface temperature of 1200F for a minimum of one minute without rupture or damage to the synthetic reinforcement in accordance with British Hot Cube Test.



WARRANTY

The hose furnished under the terms of this proposal has a potential service life of 10 years barring mistreatment or accidental damage that would render the hose unfit for service. MaTex warrants the hose to be free from defects in materials and workmanship for a period of ten years. The warranty shall provide for the repair or replacement of hose and couplings proven to have failed due to faulty material or workmanship.



FEATURES

- Lightweight All Polyester Double Jacket Polyurethane Lined Attack Hose
- Exclusive Pu Based Color Coating To Aid Abrasion Resistance and Color Leaching
- Reverse Twill Inside Jacket For Ultra-Smooth Liner Surface

PAC-LITE

DOUBLE JACKET PU LINED ATTACK HOSE

- Designed For all nozzle applications and specifically for higher pressure and Lightweight Carry-Up Applications
- Temperature Range: -65 F To 112 F
- 10 Year Manufacturer Warranty
- Lengths Available To 100'
- Diameters: 1", 1 1/2", 1 3/4", 2", 2 1/2", 3", 3 1/2", 4", 5"
- Lifetime Warranty Against Tube Delamination

Meets All the Requirements of NFPA 1961 (1960) Standard on Fire Hose

Meets and exceeds NSF 61 for potable water use

Meets and exceeds UL-19 and FM standards

Meets and exceeds MIL-H-24606b standards

Meets and exceeds A-A-52226A standards

HOSE SIZE AND SPECIFICATIONS

INSIDE DIAMETER	BOWL SIZE	WEIGHT/FT. COUPLED	WORKING PRESSURE	TEST PRESSURE	BURST PRESSURE
INCHES	INCHES	POUNDS	PSI	PSI	PSI
1"	1 5/16"	.14 lbs	400 psi	800 psi	1200 psi
1 1/2"	1 15/16"	.24 lbs	400 psi	800 psi	1200 psi
1 3/4"	2 1/8"	.30 lbs	400 psi	800 psi	1200 psi
2"	2 13/32"	.35 lbs	400 psi	800 psi	1200 psi
2 1/2"	2 15/16"	.44 lbs	400 psi	800 psi	1200 psi
3"	3 1/2"	.56 lbs	400 psi	800 psi	1200 psi
3 1/2"	4 1/16"	.64 lbs	300 psi	600 psi	900 psi
4"	4 1/2"	.79 lbs	300 psi	600 psi	900 psi
5"	5 1/2"	.90 lbs	300 psi	600 psi	900 psi

QUALITY

MaTex Pac-Lite supplied under the specification is a premium quality double-jacket municipal fire hose. All materials used in the fabrication of the hose shall be of the **best quality commercially available**. MaTex Pac-Lite is manufactured to meet NFPA 1961 (1960) standards.

JACKETS

The jackets shall be evenly and firmly woven, free from unsightly defects, dirt, knots, lumps, irregularities or twist that might affect the serviceability of the finished product. Each jacket shall be seamless and shall have polyester filler yarns woven around the hose throughout its length, with the warp ends interwoven with the warp yarn covering the filler yarns. Warp ends of both the inner and outer jackets shall be developed, designed and processed for the fire hose jacket warp yarns. The use of nylon, polyamide, or rayon yarns used in the warp or filler direction is not allowed. Filler yarns of both the inner and outer jackets shall be high-tenacity filament polyester developed, designed, and processed for the fire hose jacket filler yarns. These filament polyester yarns shall be free from defects that are unsightly or may affect the serviceability of the finished hose. The polyester warp ends must completely cover and protect the filament polyester filler yarns. The inner jacket shall be of reverse twill weave, to allow for a smooth waterway. The jackets shall be constructed with a high pick count "anti-whipping" design exclusive to MaTex Hose.

HYDROSTATIC TEST

Hydrostatic tests shall be conducted on hose equipped with the couplings to be delivered in accordance with NFPA 1961 (1960). Twist: The hose shall not twist more than 4-1/4 turns per 50 ft. for the 1½", 1¾", and 2" sizes, and not more than 1¾ turns per 50 ft. for the 2½" and 3" sizes under a pressure of 800 psi. Twist for 4" and 5" shall not exceed 1½" turns at 600 psi. No final twist in a direction to loosen the couplings shall be permitted.

ADHESION

The adhesion shall be such that the rate of separation of a 1½" strip of lining, transversely cut, shall not be greater than 1" per minute under a weight of 18 lbs. No Exceptions. Thickness of liner and adhesive shall not exceed 0.025" for 1" through 2½" hose, and 0.030" for 3", 4" and 5" hose.

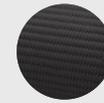
LOW TEMPERATURE FLEXIBILITY

The hose shall be capable of performing in sub-zero conditions. A 3-foot section of hose shall be exposed to a temperature of -65°+ / - 2°F for a period of 24 hours. At the end of the exposure period, and while maintained at the -65°C exposure temperature, the hose shall be rapidly bent 180° double on itself, first one way and then the other. There shall be no cracking or breaking of the jacket or liner. Leakage shall be cause for rejection.

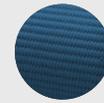
WARRANTY

The fire hose furnished under the terms of this proposal has a potential service life of ten years, barring mistreatment or accidental damage that would render the hose unfit for service. MaTex warrants the hose to be free from defects in materials and workmanship for a period of ten years. This warranty shall provide for the repair or replacement of hose and couplings proven to have failed due to faulty material or workmanship.

COLORS



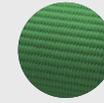
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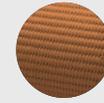
BLUE



CLEAR



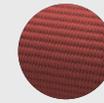
GREEN



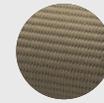
ORANGE



PURPLE



RED



TAN



YELLOW

IMPREGNATION

The color impregnation is applied to the outer jacket by a mechanical process which increases abrasion resistance by 3 times over standard impregnation. It greatly increases heat and flame resistance, almost eliminates water pickup and adds superb resistance to petrochemicals and displays extreme resistance to bacterial and mildew growth.

WARP

The hose shall not warp more than 20" from a straight line drawn from center to center of the fittings at the ends of the hose, and the hose shall not rise from the table.

KINK TEST

A full length shall withstand, while kinked, without failure, a hydrostatic pressure of 400 psi.

EXPANSION

The expansion in circumference of the hose between 10 and 800 psi shall not exceed 8%.

ELONGATION

The elongation between 10 and 800 psi shall not exceed 8% for the 1½", 1¾", 2" and 2½" sizes, and shall not exceed 10% for the 3", 4" and 5" size.



FEATURES

- All Polyester Double Jacket Polyurethane Lined Attack Hose
 - Exclusive PU Based Color Coating to Aid Abrasion Resistance and Color Leaching
 - Exclusive Anti-Whip Technology
-
- Reverse Twill Inside Jacket for Ultra Smooth Liner Surface
 - Designed For All Nozzle Applications Including Smooth Bore
 - Meets and Exceeds NFPA 1961 (1960) Standards
 - Meets and Exceeds UI-19 Standards
 - Meets NSF 61 for Potable Water Use
 - Temperature Range: -65 F To 112 F
 - 10 Year Manufacturer Warranty
 - Lifetime Warranty Against Tube Delamination
 - High Pick Count Jackets On Both Inside and Outside
 - Military Grade Precision Id (+-.02")
 - Lengths Available To 100'
 - Diameters: 1.75", 1.88", 2.52"

Meets All the Requirements of NFPA 1961 (1960) Standard on Fire Hose

PLATINUM ID

DOUBLE JACKET PU LINED ATTACK HOSE

HOSE SIZE AND SPECIFICATIONS

INSIDE DIAMETER	BOWL SIZE	WEIGHT/FT. COUPLED	WORKING PRESSURE	TEST PRESSURE	BURST PRESSURE
INCHES	INCHES	POUNDS	PSI	PSI	PSI
1.75"	2 ³ / ₁₆ "	.43 lbs	400 psi	800 psi	1500 psi
1.88"	2 ¹ / ₄ "	.44 lbs	400 psi	800 psi	1500 psi
2.52"	2 ¹⁵ / ₁₆ "	.54 lbs	400 psi	800 psi	1500 psi

QUALITY

MaTex Platinum ID supplied under the specification is a premium quality double-jacket municipal fire hose. All materials used in the fabrication of the hose shall be of the *best quality commercially available*. MaTex Platinum ID is manufactured to meet NFPA 1961 (1960) standards.

JACKETS

The jackets shall be evenly and firmly woven, free from unsightly defects, dirt, knots, lumps, irregularities or twist that might affect the serviceability of the finished product. Each jacket shall be seamless and shall have polyester filler yarns woven around the hose throughout its length, with the warp ends interwoven with the warp yarn covering the filler yarns. Warp ends of both the inner and outer jackets shall be spun staple polyester developed, designed and processed for the fire hose jacket warp yarns. The use of nylon, polyamide, or rayon yarns used in the warp or filler direction is not allowed. The use of any warp yarns of filament or entangled construction is expressly forbidden. Filler yarns of both the inner and outer jackets shall be high-tenacity filament polyester developed, designed, and processed for the fire hose jacket filler yarns. These filament polyester yarns shall be free from defects that are unsightly or may affect the serviceability of the finished hose. The ring spun polyester warp ends must completely cover and protect the filament polyester filler yarns. The inner jacket shall be of reverse twill weave, to allow for a smooth waterway. The jackets shall be constructed with a high pick count "anti-whipping" design exclusive to MaTex Hose.

HYDROSTATIC TEST

Hydrostatic tests shall be conducted on hose equipped with the couplings to be delivered in accordance with NFPA 1961. Each length of hose is to be subjected to a hydrostatic proof test pressure of 800 psi for at least 15 seconds and not more than 1 minute. Higher test pressures which may weaken the hose are expressly forbidden. Twist: The hose shall not twist more than 4-1/4 turns per 50 ft. for the 1 1/4" size, and not more than 1 3/4 turns per 50 ft. for the 2 1/2" size under a pressure of 800 psi. No final twist in a direction to loosen the couplings shall be permitted.

ADHESION

The adhesion shall be such that the rate of separation of a 1 1/2" strip of lining, transversely cut, shall not be greater than 1" per minute under a weight of 18 lbs. No Exceptions. Thickness of liner and adhesive shall not exceed 0.025"

LOW TEMPERATURE FLEXIBILITY

The hose shall be capable of performing in sub-zero conditions. A 3-foot section of hose shall be exposed to a temperature of -65 F for a period of 24 hours. At the end of the exposure period, and while maintained at the -55° C exposure temperature, the hose shall be rapidly bent 180° double on itself, first one way and then the other. There shall be no cracking or breaking of the jacket or liner. Leakage shall be cause for rejection.

WARRANTY

The fire hose furnished under the terms of this proposal has a potential service life of ten years, barring mistreatment or accidental damage that would render the hose unfit for service. MaTex warrants the hose to be free from defects in materials and workmanship for a period of ten years. This warranty shall provide for the repair or replacement of hose and couplings proven to have failed due to faulty material or workmanship.

COLORS



IMPREGNATION

The color impregnation is applied to the outer jacket by a mechanical process which increases abrasion resistance by 3 times over standard impregnation. It greatly increases heat and flame resistance, almost eliminates water pickup and adds superb resistance to petrochemicals and displays extreme resistance to bacterial and mildew growth.

WARP

The hose shall not warp more than 20" from a straight line drawn from center to center of the fittings at the ends of the hose, and the hose shall not rise from the table.

KINK TEST

A full length shall withstand, while kinked, without failure, a hydrostatic pressure of 500 psi.

EXPANSION

The expansion in circumference of the hose between 10 and 800 psi shall not exceed 8%.

ELONGATION

The elongation between 10 and 800 psi shall not exceed 8% for the 1 1/2, 1 3/4, 2" and 2 1/2" sizes, and shall not exceed 10% for the 3" size.



FEATURES

- All Polyester Single Jacket Polyurethane Lined Attack Hose
- Exclusive PU Based Color Coating to Aid Abrasion Resistance and Color Leaching
- Twill weave jacket for superior strength and durability

FORESTRY T2

SINGLE JACKET PU LINED FORESTRY HOSE

- Meets and Exceeds NFPA 1961 (1960) Standards
- Meets and Exceeds USDA Forestry Spec 5100-187c Type 2
- Meets and Exceeds UI-19 Standards
- Temperature Range: -65 F To 112 F
- 10 Year Manufacturer Warranty
- Lengths Available To 100'
- Lifetime Warranty Against Tube Delamination
- Available in clear coat white and 5100187 yellow

Meets All the Requirements of NFPA 1961 (1960) Standard on Forestry Hose

HOSE SIZE AND SPECIFICATIONS

INSIDE DIAMETER	BOWL SIZE	WEIGHT/FT. COUPLED	WORKING PRESSURE	TEST PRESSURE	BURST PRESSURE
INCHES	INCHES	POUNDS	PSI	PSI	PSI
1"	1 3/16"	.10 lbs	300 psi	600 psi	900 psi
1.5"	1 3/4"	.14 lbs	300 psi	600 psi	900 psi



FEATURES

- Lightweight rigid helix construction
- Kink Resistant
- Abrasion resistant polyurethane coating
- Color: red
- Available lengths to 200'
- Diameter: 1"

BOOSTEX

LIGHTWEIGHT PU LINED BOOSTER HOSE

DESIGNED FOR SKID UNITS AND MOST FORESTRY APPLICATIONS

- 1 year warranty against manufacturers defects
- UL abrasion test of 10,000 cycles minimum
- Working pressure of 300 psi
- Proof test to 600 psi
- Minimum Burst pressure of 900 psi
- Pliable and abrasion resistant cover
- Normal service conditions in temperature range from -65°F to 112°F

HOSE SIZE AND SPECIFICATIONS

INSIDE DIAMETER	BOWL SIZE	WEIGHT/FT. COUPLED	WORKING PRESSURE	TEST PRESSURE	BURST PRESSURE
INCHES	INCHES	POUNDS	PSI	PSI	PSI
1"	1 3/16"	.23 lbs	300 psi	600 psi	900 psi

Meets All the Requirements of
NFPA 1961 (1960) Standard on Booster Hose



FEATURES

- All poly Double Jacket 4-layer Attack Hose
- Exclusive PU Based Color Coating to Aid Abrasion Resistance and Color Leaching
- Exclusive Anti-Whip Technology
- Designed for all applications including smooth bore
- Meets and exceeds NFPA 1961 (1960) and UL-19 minimum standards for attack hose.

COBRA COMBAT

THE BEST DOUBLE JACKET 4 LAYER NFPA RATED ATTACK HOSE

HOSE SIZE AND SPECIFICATIONS

INSIDE DIAMETER	BOWL SIZE	WEIGHT/FT. COUPLED	WORKING PRESSURE	TEST PRESSURE	BURST PRESSURE
INCHES	INCHES	POUNDS	PSI	PSI	PSI
1.52"	1 15/16"	.38 lbs	400 psi	800 psi	1500 psi
1.77"	2 3/16"	.46 lbs	400 psi	800 psi	1500 psi
1.88"	2 1/4"	.47 lbs	400 psi	800 psi	1500 psi
2.02"	2 13/32"	.56 lbs	400 psi	800 psi	1500 psi
2.26"	2 3/4"	.58 lbs	400 psi	800 psi	1500 psi
2.52"	2 15/16"	.60 lbs	400 psi	800 psi	1500 psi
3.55"	4 1/6"	.90 lbs	300 psi	600 psi	900 psi
4.10"	4 1/2"	1.08 lbs	300 psi	600 psi	900 psi
5.10"	5 1/2"	1.33 lbs	300 psi	600 psi	900 psi

NITRILE/PVC LINER WITH PROPRIETARY REINFORCEMENT TO PROVIDE:

- Superior Kink Resistance
- Reduced Friction Loss
- Superior Heat Resistance
- Proprietary Puncture Resistance
- Increased Flow Capabilities
- Lengths Available to 100'
- Diameters: 1.52", 1.77", 1.88", 2.02", 2.26", 2.52", 3.55", 4.10", 5.10"

Meets All the Requirements of NFPA 1961 (1960) Standard on Fire Hose

QUALITY

MaTex Cobra Combat supplied under the specification is a premium quality double-jacket municipal fire hose. All materials used in the fabrication of the hose shall be of the *best quality commercially available*. MaTex Cobra Combat is manufactured to meet NFPA 1961 (1960) standards.

JACKETS

The jacket shall be evenly and firmly woven, free from unsightly defects, dirt, knots, lumps, irregularities or twist that might affect the serviceability of the finished product. Each jacket shall be seamless and shall have polyester filler yarns woven around the hose throughout its length, with the warp ends interwoven with the warp yarn covering the filler yarns. Warp ends of the outer jacket shall be ring spun-polyester developed, designed and processed for the fire hose jacket warp yarns. The use of nylon, polyamide, or rayon yarns used in the warp or filler direction is not allowed. The use of any warp yarns of filament or entangled construction is expressly forbidden. Filler yarns of the outer jackets shall be of the highest denier filament polyester developed and allowed, designed and processed for the fire hose jacket filler yarns. These filament polyester yarns shall be free from defects that are unsightly or may affect the serviceability of the finished hose. The ring spun polyester warp ends must completely cover and protect the filament polyester filler yarns. The jacket shall be constructed with a high pick count "Anti-Whip" design technology exclusive to MaTex Hose. Exclusive solution dyed black yarn creating proprietary stripes shall be woven into the jacket to correctly identify diameters.

LINING

The proprietary circularly woven reinforcement shall be completely protected by a through the weave extruded PVC/Nitrile Rubber (30%/70%), forming a single homogeneous construction without the use of glues or adhesives of any type. Materials used in construction of the hose shall be new, unused and not less than the quality conforming to modern engineering and manufacturing practices. Materials shall be free of defects and suitable for the service intended.

ADHESION

The adhesion of the lining to the proprietary reinforcement shall be such that the rate of separation of a 1 1/2" strip of lining, transversely cut, shall not be greater than 1" per minute under a weight of 18 lbs. No exceptions, Must accompany a lifetime warranty against delamination.

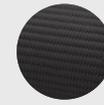
LOW TEMPERATURE FLEXIBILITY

The hose shall be capable of performing in sub-zero conditions. A 3 foot section of hose shall be exposed to a temperature of -54°+ / - 2°C (-65°+ / -3° F) for a period of hrs. At the end of the exposure period, and white maintained at the -55°C exposure temperature, the hose shall be rapidly bent 180° double on itself, first one way and then the other. There shall be no cracking or breaking of the jacket or liner. Leakage shall be cause for rejection.

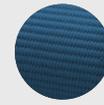
WARRANTY

The fire hose furnished under the terms of this proposal has a potential service life of 10 years, barring mistreatment or accidental damage that would render the hose unfit for service. MaTex warrants the hose to be free from defects in materials and workmanship for a period of ten years. This warranty shall provide for the repair or replacement of hose and couplings proven to have failed due to faulty material or workmanship. MaTex Cobra Combat also carries a lifetime warranty against delamination **PLUS** a 2 year bumper to bumper warranty if the hose fails NFPA testing for any reason.

COLORS



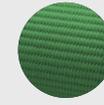
BLACK



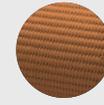
BLUE



CLEAR



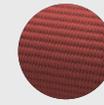
GREEN



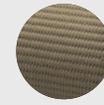
ORANGE



PURPLE



RED



TAN



YELLOW

IMPREGNATION

The emulplast polyseel color impregnations a proprietary process applied to the outer jacket by a mechanical process and cured into jacket by a thermal process, This includes a polyurethane coating which increases abrasion resistance by 3 times over standard impregnation. It greatly increases heat and flame resistance, reduces water pick up and adds superb resistance to petro chemicals and displays extreme resistance to bacterial and mildew growth.

WARP

The hose shall not warp more than 20" from a straight line drawn from center to center of the fittings at the ends of the hose, and the hose shall not rise from the table.

KINK TEST

A full length shall withstand, while kinked, without failure, a hydrostatic pressure of 500 psi.

EXPANSION

The expansion in circumference of the hose between 10 and 800 psi shall not exceed 8%.

HYDROSTATIC TEST

Hydrostatic tests shall be conducted on hose equipped with the couplings to be delivered in accordance with NFPA 1961 (1960). Each length of hose is to be subjected to hydrostatic proof test pressure of 800 psi for at least 15 seconds and not more than 1 minute. Higher test pressures which may weaken the hose are expressly forbidden.

BURST TEST

A 3 foot sample of hose chosen at random shall stand without failure a hydrostatic pressure of 1500 psi while lying straight or curved on a 27" radius for all diameters 2 1/2" or less. 4" and 5" shall have a minimum burst of 900 psi. Retention of the coupling to the hose shall equal or exceed the burst pressure.

WHAT PEOPLE ARE SAYING

Reliable and Durable Fire Hose for Peace of Mind

As a firefighter, having reliable equipment is paramount to ensuring safety and effectively combating fires. The fire hose I've used from MaTex Hose has consistently exceeded my expectations in terms of quality and durability.

First and foremost, the construction of the hose is top-notch. The materials used are robust and able to withstand high-pressure situations without any signs of wear or tear. Whether it's battling a small house fire or a large-scale industrial blaze, this hose has proven its resilience time and time again.

Moreover, the flexibility of the hose is remarkable. It allows for easy maneuverability in tight spaces, which is crucial during emergency situations where every second counts. The kink-resistant design ensures a steady flow of water without any interruptions, providing firefighters with the confidence they need to tackle any fire with precision and efficiency.

In terms of maintenance, I've found this fire hose to be incredibly low-maintenance. It's resistant to mildew and mold, and cleaning is a breeze, ensuring that it remains in prime condition for years to come. Additionally, the fittings are securely attached, minimizing the risk of leaks or malfunctions during operation.

Overall, I wholeheartedly recommend MaTex fire hoses to any firefighting department or organization in need of reliable equipment. With its exceptional quality, durability, and performance, it's truly a lifesaver in the line of duty.

- Nevada Happy



INTRODUCING THE PREMIUM LIMITED EDITION

COBRA BLACK OPS





MATEX hose



FEATURES

- All poly Double Jacket 4-layer Attack Hose
- Exclusive black hard coat Liberator Coupling with NFPA color reflective arrows
- Exclusive Anti-Whip Technology
- Designed for all applications including smooth bore
- Meets and exceeds NFPA 1961 (1960) and UL-19 minimum standards for attack hose.

COBRA BLACK OPS

THE BEST DOUBLE JACKET 4 LAYER NFPA RATED ATTACK HOSE

PVC/NITRILE LINER WITH PROPRIETARY REINFORCEMENT TO PROVIDE:

- Superior Kink Resistance
- Reduced Friction Loss
- Superior Heat Resistance
- Proprietary Puncture Resistance
- Increased Flow Capabilities
- Specifically Designed for Low-Pressure High-Volume Nozzle Applications
- Lengths Available to 100'
- Diameters: 1.77", 1.88", 2.26", 2.52"

HOSE SIZE AND SPECIFICATIONS

INSIDE DIAMETER	BOWL SIZE	WEIGHT/FT. COUPLED	WORKING PRESSURE	TEST PRESSURE	BURST PRESSURE
INCHES	INCHES	POUNDS	PSI	PSI	PSI
1.77"	2 ³ / ₁₆ "	.46 lbs	600 psi	1200 psi	1800 psi
1.88"	2 ¹ / ₄ "	.47 lbs	600 psi	1200 psi	1800 psi
2.26"	2 ¹¹ / ₁₆ "	.58 lbs	550 psi	1100 psi	1650 psi
2.52"	2 ¹⁵ / ₁₆ "	.60 lbs	550 psi	1100 psi	1650 psi

Meets All the Requirements of NFPA 1961 (1960) Standard on Fire Hose

Directional arrows available as an option. Silver arrow standard.



COBRA BLACK OPS

THE BEST DOUBLE JACKET 4 LAYER NFPA RATED ATTACK HOSE



QUALITY

MaTex Cobra Black Ops supplied under the specification is a premium quality double-jacket municipal fire hose. All materials used in the fabrication of the hose shall be of the *best quality commercially available*. MaTex Cobra Black Ops is manufactured to meet NFPA 1961 (1960) standards.

JACKETS

The jacket shall be evenly and firmly woven, free from unsightly defects, dirt, knots, lumps, irregularities or twist that might affect the serviceability of the finished product. Each jacket shall be seamless and shall have polyester filler yarns woven around the hose throughout its length, with the warp ends interwoven with the warp yarn covering the filler yarns. Warp ends of the outer jacket shall be ring spun-polyester developed, designed and processed for the fire hose jacket warp yarns. The use of nylon, polyamide, or rayon yarns used in the warp or filler direction is not allowed. The use of any warp yarns of filament or entangled construction is expressly forbidden. Filler yarns of the outer jackets shall be of the highest denier filament polyester developed and allowed, designed and processed for the fire hose jacket filler yarns. These filament polyester yarns shall be free from defects that are unsightly or may affect the serviceability of the finished hose. The ring spun polyester warp ends must completely cover and protect the filament polyester filler yarns. The jacket shall be constructed with a high pick count "Anti-Whip" design technology exclusive to MaTex Hose. Exclusive solution dyed black yarn creating proprietary stripes shall be woven into the jacket to correctly identify diameters.

LINING

The proprietary circularly woven reinforcement shall be completely protected by a through the weave extruded PVC/Nitrile Rubber (30%/70%), forming a single homogeneous construction without the use of glues or adhesives of any type. Materials used in construction of the hose shall be new, unused and not less than the quality conforming to modern engineering and manufacturing practices. Materials shall be free of defects and suitable for the service intended.

ADHESION

The adhesion of the lining to the proprietary reinforcement shall be such that the rate of separation of a 1 1/2" strip of lining, transversely cut, shall not be greater than 1" per minute under a weight of 18 lbs. No exceptions, Must accompany a lifetime warranty against delamination.

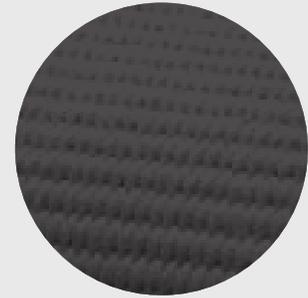
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WARRANTY

The fire hose furnished under the terms of this proposal has a potential service life of 10 years, barring mistreatment or accidental damage that would render the hose unfit for service. MaTex warrants the hose to be free from defects in materials and workmanship for a period of ten years. This warranty shall provide for the repair or replacement of hose and couplings proven to have failed due to faulty material or workmanship. MaTex Cobra Combat also carries a lifetime warranty against delamination PLUS a 2 year bumper to bumper warranty if the hose fails NFPA testing for any reason.

COLORS



BLACK

IMPREGNATION

The emulplast polyseel color impregnations a proprietary process applied to the outer jacket by a mechanical process and cured into jacket by a thermal process, This includes a polyurethane coating which increases abrasion resistance by 6 times over standard impregnation. It greatly increases heat and flame resistance, reduces water pick up and adds superb resistance to petro chemicals and displays extreme resistance to bacterial and mildew growth.

WARP

The hose shall not warp more than 20" from a straight line drawn from center to center of the fittings at the ends of the hose, and the hose shall not rise from the table.

KINK TEST

A full length shall withstand, while kinked, without failure, a hydrostatic pressure of 500 psi.

EXPANSION

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HYDROSTATIC TEST

Hydrostatic tests shall be conducted on hose equipped with the couplings to be delivered in accordance with NFPA 1961 (1960). Each length of hose is to be subjected to hydrostatic proof test pressure of 800 psi for at least 15 seconds and not more than 1 minute. Higher test pressures which may weaken the hose are expressly forbidden..

BURST TEST

A 3 foot sample of hose chosen at random shall stand without failure a hydrostatic pressure of 1500 psi while lying straight or curved on a 27" radius for all diameters 2 1/2" or less. 4" and 5" shall have a minimum burst of 900 psi. Retention of the coupling to the hose shall equal or exceed the burst pressure.



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