



## Industry

Fire Fighting



**Mandals Mertex is an uncovered fire hose used widely in the maritime industry and carries the "Wheel-Mark" and the MED  certificate.**

Mertex is an uncovered textile fire hose. What makes Mertex different from other textile hoses is that it has an extruded inner lining of thermoplastic polyurethane (TPU). This gives a higher quality hose with excellent water flow compared to rubber lined textile hoses, as well as excellent adhesion level of the TPU lining to the weave. No hot melt adhesives which are vulnerable to delamination. This lightweight and flexible fire hose has been developed after high quality Norwegian standards and is manufactured according to BS 6391 – type 1. The Mertex hose carries the MED certificate and Wheel Mark for marine services.

## Key Features

- Manufactured in accordance with BS 6391 Type 1. The hose has obtained the EU "Wheel - Mark" maritime certification for diameter 38mm (1 1/2") and 51mm (2") and has a BV Type approval for diameter 65mm (2 1/2").

- The light weight and good mechanical properties make Mertex the preferred solution for small spaced firefighting, such as in factories, maritime industries and refineries where quick deployment and response time is crucial to reduce the dramatic consequences of a fire.

## Design

- Mandals Mertex is a circular woven hose with an extruded inner lining of thermoplastic polyurethane (TPU).
- The hose is very lightweight yet rugged with good mechanical properties.



## Advantages

- The hose can operate from -30°C to +75°C ( -22°F to +167°F), intermittent ause up to +80°C (+176°F).
- The hose can be delivered in continuous lengths.



## Mertex (Technical data)

ISSUE 3.0 - 15.08.21

| Internal Diameter  |            | Wall Thickness |     | Weight   |        | Burst Pressure |     | Tensile Strength |      |
|--|------------|----------------|-----|----------|--------|----------------|-----|------------------|------|
| Inch   | mm         | Inch           | mm  | Lbs / ft | Kg / m | Psi            | Bar | X1000 lbs        | Tons |
|  1 1/2 | 38.1 + 1.6 | 0.06           | 1.6 | 0.13     | 0.20   | 870            | 60  | 12.7             | 5.7  |
|  2     | 51.5 + 2.0 | 0.07           | 1.8 | 0.19     | 0.28   | 800            | 55  | 16.0             | 7.2  |
| <b>2 1/2</b>   | 64.5 + 2.0 | 0.07           | 1.8 | 0.24     | 0.36   | 725            | 50  | 19.3             | 8.7  |

**NOTE:** Minimum safety factor bp/wp is 2:1 (50%) for all non-hazard and/or non-flammable liquids.

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