

# CODEFLEX\*

## SUPRENE FIRST AID FIRE REEL HOSE - FRH 3169 series

### Special Features

- Abrasion resistance - excellent
- Made from Cadmium free materials
- Resistance to a wide range of chemicals (see Chemical Resistance Table)
- Outstanding U.V. / Ozone resistance
- Silicone free
- Ageing - outstanding resistance
- Good flexibility



### General Description

Suprene First Aid Fire Reel Hose is yet another quality product to be borne out of our long term materials and hose technology development.

We have continued to exploit the benefits of Rubber and P.V.C. to produce a Rubber P.V.C. Alloy (T.P.E.). This innovative step has resulted in the introduction of **Codeflex** Suprene First Aid Fire Reel hose.

This addition to the **Codeflex** Suprene range feels and looks like rubber without some of the negative aspects. As you will find from information given overleaf, our **Codeflex** Suprene Fire Reel Hose exceeds the requirements laid down by BS.3169 Class B, Type 1 specification in all areas.

**Codeflex** Suprene Fire Reel Hose has a black inner with a distinct "Fire Red" outer in two sizes, 19mm and 25mm bore.

Print identification e.g.: "C.D. logo, BS.3169 : 1986 B1/19mm/11-92/15 BAR PATENT 0036674, DATE CODED"

## TECHNICAL DATA

### CODEFLEX SUPRENE FIRST AID REEL HOSE FRH 3169

(U.K. And European Sizes)

Product Ref	Size		Weight per coil* kgs	Working Pressure 3:1 Safety Factor	Burst Pressure
	I.D.	O.D.			
FRH19	19	28	14.00	15 bar	60 bar
FRH25	25	36	19.99	15 bar	62 bar

#### Stock Lengths

19mm: 30.5mt\*, 35mt, 36.6mt, 45mt, 60mt, 92mt and 100mt.  
25mm: 25mt, 30.5mt\* and 35mt.



# TECHNICAL DATA

## CODEFLEX SUPRENE FIRST AID FIRE REEL HOSE FRH 3169

(U.K. And European Sizes)

Relevant Test Specification	BS 3169 Requirements	CDL Fire Reel Hose Test Result	
		19mm	25mm
<b>Dimension &amp; Tolerance</b> BS 5173 101.1	<b>Bore Lining</b> 19mm+/-0.75mm   25mm+/-0.75mm <b>Thickness Cover</b> 2.0mm min <b>Cover Thickness</b> 1.5mm min Thickness variation not to exceed 15% of mean thickness. Concentricity between inside and outside dia not to exceed 2.0mm	+0.30mm	-0 13mm
<b>Maximum Mass (weight of hose)</b>	19mm - 0.75kgs/m   25mm - 0.90kgs/m	0 50kgs/m (max)	0.70kgs/m (max)
<b>Physical Properties of Lining &amp; Cover</b> BS 903 PT A2	<b>Tensile Strength &amp; Elongation at Break</b> Tensile not less than 6 0 MPa Elong @ break - not less than 250%	13.7MPa	460%
BS 903 PT A19	<b>Tensile Strength &amp; Elongation at Break</b> After accelerated ageing 96hrs @ 70°C shall not vary from unaged values by more than +10% - 30%	13.6MPa (-1%)	385% (-16%)
BS2782 Methods 465A & 465B	<b>Loss in Mass on Heating</b> Cover not greater than 4% (both methods)	465A - 0.66%	465B - 0.56%
BS 5173 103.1	<b>Adhesion</b> Between lining and reinforcement Between layers of reinforcement Between cover and reinforcement Not less than 1.75kN/m	Only the lining to outer cover separable both sides greater than 3.5 kN/m	
BS 5173 102.1	<b>Hydrostatic Requirements</b> Change in dia at 15 bar +7% -5% Change in length at 15 bar +12%-6% Burst Pressure 48 bar	+4.28%	+4.72%
BS 3169 Appendix A	<b>Bend Test</b> Major axis shall not increase more than 9%	+6%	+7%
BS 5173 106.3 @ 40°C	<b>Resistance to Ozone of Hose Cover</b>	Satisfies the requirements of clause 7.5	
BS 3169 Appendix B	<b>Kink Test</b>	Satisfies the requirements of clause 7.6	
BS 3169 Appendix C	<b>Resistance to Hot Surfaces</b>	Satisfies the requirements of Class B Hoses described in clause 7.7	
BS 2782 Part 1 Method 141A	<b>Fire Retardency Rating</b>	CDL Fire Hoses have a CO1 of 25% O <sub>2</sub>	



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