TECHNICAL DATASHEET

FH51 HELMET AND HOOD

DESCRIPTION

The FH51 full hood with helmet and integral visor has been developed to offer protection in higher risk environments including demolition, toxic and hazardous materials handling and environmental cleanup. Approved respiratory, helmet and face protection for use with SPIRIT, Tornado and Proflow powered air systems providing the highest level of PAPR protection.

FH51 outer hood is made from chemically resistant Hypalon material with taped seams. Hypalon is the trade name (DuPont) for chlorosulphonated polyethylene, noted for its resistance to chemicals, temperature extremes, ultraviolet light and molten metal splash resistance. Coverage for head and shoulders, integrates with protective clothing. Polycarbonate or Acetate visor options are available offering EN166 eye protection.

APPROVALS
CE certified to EN12941 TH3, EN397 (Head) and EN166 1B9 (Eye & Face). Also approved to AS/NZS1716-P2.

TECHNICAL SPECIFICATIONS		
Respiratory Protection:	Proflow SPIRIT Tornado	EN 12941 TH3 and AS/NZS 1716-P2 EN 12941 TH3 and AS/NZS 1716-P2 EN 12941 TH3 and AS/NZS 1716-P2
Eye and Face Protection:	Acetate Polycarbonate	EN166 1 F EN166 1 B 9
Head Protection:	ABS Helmet	EN 397 with Molten metal (MM), −30 °C and 440V a.c. protection options.
Minimum design flow rate:	Proflow SPIRIT Tornado	120 l/min 160 l/min 140 l/min
Assigned Protection Factor (Nominal):	Proflow SPIRIT Tornado	40 (500) 40 (500) 40 (500)

SCOTT SAFETY

TECHNICAL DATASHEET

TECHNICAL SPECIFICATIONS	
Effective weight of hood on head:	920 grams
Noise level:	<75 dB(A)
Operating Temperature Limits:	-10°C to +50°C
Material Data	
Hood material:	Grey Hypalon-coated Polyester
Spark Resistance	
Test	The material was tested by generating sparks from a 37mm square section of mild steel rod with an angle grinder- 115mm wheel diameter. The material was placed at a distance of 150mm and the time of exposure was 10 minutes.
Result	No signs of combustion, no holes or pitting.
Chemical Resistance	
Test	The material has been tested for permeation of the following chemicals in accordance with European Standard EN 369:1993.
Result	Hydrochloric acid 36%wt > 480 mins, very slight discolouration.
	Nitric acid 70%wt 111-156 minutes, degradation of yellow layer to pale brown colour.
	Ammonia 35%wt > 480 mins, no visible change.
	Hydrazine 15%wt > 480 mins, no visible change.
	Sodium hydroxide 50%wt > 480 mins, no visible change.
	Sulphuric acid 98%wt > 480 mins, severe decomposition of outer layer.
	Hydrofluoric acid 48%wt 123-155 mins, slight colour change of outer layer.
	Oleum 30% free SO3 40-50 mins, severe degradation.
The material has excellent resistive properties against a wide range of chemicals.	

For hose selection see ***Hose/Headtop/Blower Compatibility Matrix***

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