

PROTECTION + GARMENT PERFORMANCE CLASSIFICATIONS

2016 Workwear + Flame Resistant Apparel Catalogue



CATEGORY 1 PROTECTION

Arc-rated FR long-sleeve shirt and FR pants or FR coverall with a required minimum ATPV of 4 cal/cm².



CATEGORY 2 PROTECTION

Arc-rated FR long-sleeve shirt and FR pants or FR coverall with a required minimum ATPV of 8 cal/cm².



CATEGORY 3 PROTECTION

Arc-rated FR long-sleeve shirt and pants or FR coverall, and arc flash suit selected so that the system arc rating meets the required minimum and a required minimum ATPV of 25 cal/cm².



CATEGORY 4 PROTECTION

Arc-rated FR long-sleeve shirt and pants or FR coverall, and arc flash suit selected so that the system arc rating meets the required minimum and a required minimum ATPV of 40 cal/cm².

EN ISO 11612:2008 - Protective clothing against heat and flame

PERFORMANCE CLASSIFICATION	PERFORMANCE CLASSIFICATION	PICTOGRAM
A = Limited flamespread (A1 = surface ignition, A2 = edge ignition) B = Convective heat (class 1-3) C = Radiation heat (class 1-4) D = Molten aluminium (class 1-3) E = Molten iron (class 1-3) F = Contact heat (class 1-3) "0" means no protection offered	A1 B1 C1 D0 E0 F0	 EN ISO 11612:2008 A1,B1,C1

IEC 61482-2:2009 - Live working - Protective Clothing against the thermal hazards of an electric arc

PERFORMANCE CLASSIFICATION	PERFORMANCE CLASSIFICATION	PICTOGRAM
Arc thermal resistance on garment tested against: <ul style="list-style-type: none"> IEC 61482-1-1 ATPV method Min ATPV: 4 cal/cm² Arc current: 8 kA Voltage: 2000 V Distance to sample: 30 cms Duration: 0,05-1,5 sec IEC 61482-1-2 Box test method Class 1-4 kA or Class 2-7 kA 	ATPV test method <i>For individual ATPV ratings, see label sewn into garment</i>	 IEC 61482-2:2009 ATPV = X.X CAL/CM ²

EN 1149-5:2008 - Protective Clothing - Electrostatic properties, part 5: performance requirements.

PERFORMANCE CLASSIFICATION	PERFORMANCE CLASSIFICATION	PICTOGRAM
The material test has been carried out according to EN 1149-3:2004: Test method for measurement of charge decay. Half decay time $T_{50} < 4$ sec And/or shielding factor $S > 0,2$	Compliant	 EN 1149-5:2008