19 FEB 2024	ARCFLASH WET WEATHER PU OXFORD	
TEST METHODS & STANDARDS	**BENCHMARKS**	**COMPLIANCE**
 **Protection Rating** STANDARD IEC 61482-1-1:2019 STANDARD AS NZS 4836.2023 STANDARD NENS 09 - 2014	HRC2/PPE2	EXCEEDS
 **ATPV Rating** STANDARD IEC 61482-1-1:2019 STANDARD AS NZS 4836.2023 STANDARD NENS 09 - 2014	8+ Cal/cm²	EXCEEDS
 **Small Molten Metal Splash** ISO 11611:2015 STANDARD ISO 9150:1988	MINIMUM 25 DROPS CLASS 2	MEETS
 **Assessment of Resistance of Materials to** Molten Metal Splash ISO 11612:2015 E2 STANDARD ISO 9815:2007	FABRIC PERFORMANCE LEVEL E2 MIN > 120 MAX < 200	MEETS
 **Limited Flame Spread** ISO 15025:2016 Method A STANDARD ISO 11611:2015 A1 & ISO 14116: 2015 INDEX 1	FABRIC PERFORMANCE LEVEL A1 NO IGNITE, HOLE, MELT, AFTERFLAME OR AFTERGLOW	MEETS
 **Limited Flame Spread** ISO 15025:2016 Method B STANDARD ISO 11611:2015 A2	FABRIC PERFORMANCE LEVEL A2 NO IGNITE, HOLE, MELT, AFTERFLAME OR AFTERGLOW	MEETS
 **Limited Flame Spread** ISO 15025:2016 Method A STANDARD ISO 11612:2015 A1	FABRIC PERFORMANCE LEVEL A1 NO IGNITE, HOLE, MELT, AFTERFLAME OR AFTERGLOW	MEETS
 **Limited Flame Spread** ISO 15025:2016 Method B STANDARD ISO 11612:2015 A2	FABRIC PERFORMANCE LEVEL B1 NO IGNITE, HOLE, MELT, AFTERFLAME OR AFTERGLOW	MEETS
 **Heat resistance ISO 11612:2015** STANDARD ISO 17493:2000	NO LAYER CAN IGNITE, MELT OR SHRINK	MEETS
 **Heat Transmission on Exposure to Flames** ISO 11612:2015 STANDARD ISO 9151:2016	FABRIC PERFORMANCE LEVEL B1 RANGE OF HTI^{a} 24 VALUES MIN > 4 MAX < 10	MEETS
 **Contact Heat** ISO 11612:2015 F1 STANDARD ISO 12127-1:2015	FABRIC PERFORMANCE LEVEL F1 MIN > 5 T(s) MAX < 10 T(s)	MEETS
 **Charge Decay** EN 1149-5:2018 STANDARD ISO 1149-3:2004 (Method 2, induction charging)	t_{50} < 4s ó S > 0.2	MEETS
 **Resistance of Materials to Penetration by Liquid** EN 14325 Repellency & Penetration Index: 3 STANDARD EN 13034:2005+A1:2009	**CLASS 3 REPELLENCEY: > 95 % WARP & WEFT** **FOR AT LEAST ONE OF THE FOLLOWING** SULPHURIC ACID 30% SODIUM HYDROXIDE 10% O-XYLENE 1-BUTANOLPENETRATION **CLASS 2 PENETRATION : < 5% WARP & WEFT** **FOR AT LEAST ONE OF THE FOLLOWING** SULPHURIC ACID 30% SODIUM HYDROXIDE 10% O-XYLENE 1-BUTANOL PENETRATION	MEETS

TEST METHODS & STANDARDS	BENCHMARKS	COMPLIANCE
 **Vertical Resistance** EN 11611:2015 **STANDARD ISO 1149-2:1997**	UPPER THAN 10^5 Ω	MEETS
 **Radiant Heat** ISO 11611:2015 **STANDARD ISO 6942:2002, METHOD B**	FABRIC PERFORMANCE LEVEL CLASS 2 24s RHTI ≥ 16	MEETS
 **Radiant Heat** ISO 11612:2015 **STANDARD ISO 6942:2002, METHOD B**	FABRIC PERFORMANCE LEVEL C1 24s RHTI MIN > 7 MAX < 20	MEETS
 **AS/NZS1906.4:2023 - HI VISABILITY** **MATERIALS FLURO DAY CLASS**	ORANGE YELLOW	MEETS
 **Water Penetration Resistance** **STANDARD** **EN 343:2003+A1:2007/AC:2009 &** **EN 20811:1983**	CLASS 3 ≥ 13,000 Pa	MEETS
Water Vapour Resistance **STANDARD ISO 11092:2014**	ALL LAYERS COMBINED PERFORMANCE CLASS 2 Ret ≤ 40	MEETS
Puncture Resistance EN 13034:2005 +A1:2009; EN14325:2004 **STANDARD EN 863:1995**	PERFORMANCE LEVEL 2 > 10N	EXCEEDS >
Determination of Flex Cracking & Crack Growth **STANDARD ISO 7854:1997**	WARP & WEFT 9,000 FLEX CYCLES	MEETS
Weight	OUTER LAYER 1: 145gsm +/- 5% BACKING LAYER 2: 80gsm +/- 5% COMBINED LAYERS 225gsm +/- 5%	N/A
Fibres	3 LAYERED INHERENT BLENDS	N/A
Weave	RIPSTOP	N/A
Shrinkage After Wash & Dry ISO 11612:2015 **STANDARD ISO 5077:2008**	+/-3% BOTH DIRECTIONS	EXCEEDS <
Colour Fastness to Rubbing **STANDARD ISO 105 x12:2016**	DRY 4	EXCEEDS >
Colour Fastness to Washing 40°C **STANDARD ISO 105-C06:2010**	4	EXCEEDS >
Colour Fastness to Perspiration **STANDARD ISO 105 E04-2013**	ACID 4 ALKALINE 4	EXCEEDS >
Abrasion Resistance EN 14325:2004 **STANDARD EN 530:2010 method 2**	PERFORMANCE LEVEL 6: ≥ 2000 CYCLES	MEETS
Tear Resistance EN 13034:2005+A1:2009 & EN14325:2004 **STANDARD ISO 9073-:1997**	PERFORMANCE LEVEL 3 WARP & WEFT > 40N	EXCEEDS >
Tensile Streangth EN 13034:2005 +A1:2009; EN14325:2004 **STANDARD ISO 13034-1:2013**	PERFORMANCE LEVEL 5 WARP & WEFT > 500N	EXCEEDS >