


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p>UKAS TESTING</p> <p>2663</p> <p>Accredited to ISO/IEC 17025:2017</p>	<h3>Haining Schinder Tanning Co Ltd</h3> <p>Issue No: 017 Issue date: 11 March 2022</p>	
	<p>Industrial Area Kasen Haining Zhejiang China 314403</p>	<p>Contact: Jean Sun Tel: 00 86 573 8763 9183/8778 2111 Fax: 00 86 573 8778 2111 E-Mail: sjq@kasen.com.cn</p>
<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
LEATHER	Mass (excluding Density)	DIN EN ISO 2420:2017 NES M0155:2004 GMW 3182:2011 ASTM D 3776/D3776M:2020 SMTC 5 400 084:2011(V1)
	Gross density	DIN EN ISO 2420:2003
	Thickness	DIN EN ISO 2589:2016 ASTM D1813:2013 NES M0155:2004 SMTC 5 400 076:2011(V1)
	Fogging	DIN 75201/B:2011 SAE J1756:2006 NES M0155:2004 EN 14288:2003 (Method B only) GMW 3235:2016 PV3015:1994 SMTC 5 400 010:2011(V1)
	Water vapour permeability	DIN EN ISO 14268:2013 GMW 14140:2005
	Tear strength	DIN EN ISO 3377-1:2012 ASTM D2261:2013 ASTM D5733:1999 NES M0155:2004 ISO 13937:2000 SMTC 5 400 081:2011(V1)



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LEATHER (cont'd)	Tensile and Breaking strength	EN ISO 3376:2020 ASTM D2208:2016 ASTM D5034:09(2013) Chery Q/SQR (Tensile) NES M0155:2004 GMW 3010:2014 SMTC 5 400 079:2051(V2)
	Elongation at break (or constant load)	DIN EN ISO 3376:2012 ASTM D2208:2000(2010) ASTM D5034:09(2013) NES M0155:2004 GMW 3010:2014 SMTC 5 400 079:2011(V1)
	Seam fatigue	GMW3405:2014
	Stitch strength	DIN 53331:1980 DIN EN ISO 23910:2017 ASTM D4705:2013
	Static and permanent elongation (Stretch & Set)	PV 3909:2013 SAE J855:2009 GMW 3211:2011 SMTC 5 400 031:2011(V1)
	Finished adhesion	PV 3354:1997 ISO 11644:2009 GMW15717:2014
	Odour	FLTM BO 131-01:2000 PV 3900:2019 GMW 3205:2011 NES M0155:2004 FLTM BO 131-03:2010 SMTC 5 400 012:2011(V1)
	Resistance to wear	DIN 53109:2008 ASTM D3884-01:2009(2013) NES M0155:2004 GMW 3208:2012 SMTC 5 400 172:2011(V1) DIN EN ISO 17076:2012
	Perspiration resistance	DIN EN ISO 105-E04:2013 NES M0155:2004



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LEATHER (cont'd)	Light fastness	SMTC 5 400 003:2013(V2)
	Flexing resistance	DIN 53351:2003 DIN EN ISO 5402:2017 ASTM D6182:2000(2015) (Dry flex only)
	Shrinkage	FLTM BN 105-03:2002 Chery Q/SQR (Shrinkage) PV 1200:2004 VW TL 52064:2020(120°C/168hrs) VW TL 52650:2009(120°C/168hrs) SMTC 5 330 002:2013(V3)(Item 9.3 and 9.4)
	Humidity and heat cycle (shrinkage)	VW TL 52064:2020 VW TL 52650:2009 GM 2756M:2004 NES M0155:2004 GMW 14124:2012
	Heat ageing (t _{max} = 120 °C)	TL 52064:2020 TL52650:2009 GM 2756M:2004 WSS-M1F28A1(2):2005 SMTC 5 330 002:2013(V3)
	Blocking	SAE J912:2007 GMW 14132:2016
	Flammability	GM 9070P:1996 ISO 3795:1989 SAE J369:2013 GMW 3232:2021
	Softness	FLTM BN 157-01:2001 ISO 17235:2015 GMW 14134:2016
	Compatibility: Resistance to migration staining	GM 9141P:2003 FLTMBN 103-01:1998 ISO 15701:2015
	Colour crock	AATCC 8:2013 FLTM BN 107-01:1998 DIN EN ISO 105-X12:2002 SAE J861:2003(R2012)



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LEATHER (cont'd)	Rub-fastness	ISO 11640:2012
	Chrome content	DIN 53309:1968 (withdrawn) EN ISO 5398-2:2009
	pH value/pH	DIN EN ISO 4045:2008 SMTC 5 400 072:2011(V1)
	Water content	DIN EN ISO 4684-2006 DIN EN 322:1993
	Resistance to water	GMW14102:2015 TL 52064:2020
	Grain retention	GM 9142P:1988
	Fat content	DIN EN ISO 4048:2008 SMTC 5 400 059:2011(V1)
	Formaldehyde	PV 3925:2009 SMTC 5 400 011:2011(V1)
	Colouration Friction	NES M0155:2004
	Bleeding Resistance	NES M0155:2004
	Resistance to H ₂ S	GMW 14864 section 5.3.2:2012
	Mildew Resistance	GMW3259:2016 PV3970:2009
	Cold Crack	GMW14126:2016
	Soiling Resistance	GMW3402 procedure A:2016 GMW15377:2013 VDA230-212:2010
	Dirt Repellency	AATCC118:2013
	Finished Thickness	DIN EN ISO 17186:2011
Bending Force	VDA 230-209:2008	
Abrasion Resistance (Martindale Ball Plate Method)	DIN EN ISO 17076-2:2011	
END		