




# Unitec-240

65% POLYESTER / 35% COTTON

240 GSM / TWILL 2/1



Fabric name	Unitec-240
Fabric weight	240 ± 5 gsm
Composition	65% Polyester, 35% Cotton
Full width	150 ± 2 cm
Weave	twill 2/1
Finishes	—
Area of use	industrial workwear jackets, trousers and coveralls
Washing instruction	

## Physical properties\*

			warp	weft
1	Tensile strength, N	ISO 13934-1:2013	1400	660
2	Tearing strength, N	ISO 13937-3:2000	56	54
3	Dimensional Stability To Washing, max.	ISO 6330:2000	3.0%	3.0%
4	Abrasion Resistance	ISO 12947-2:2002	> 30 000	
5	Pilling Resistance (after 1000 rev.)	ISO 12945-2:2000	4	
6	Colour Fastness To Washing (cotton+polyester) 60°C, min.	ISO 105-C06:2010		
	Colour change	ISO 105-C06:2010	4-5	
	Colour staining	ISO 105-C06:2010	4-5	
7	Colour Fastness To Perspiration, min.	ISO 105-E04:2013		
	Colour change		4-5	
	Colour staining		4-5	
8	Colour Fastness To Rubbing, min.	ISO 105-X12:2001		
	Dry		4-5	
	Wet		3	
9	Colour Fastness To Light	ISO 105-B02:2013	4	

\* The values shown are indicative and may vary slightly from batch to batch.

[www.xmtextiles.com](http://www.xmtextiles.com)

### XM TEXTILES EUROPE

Dariaus ir Gireno st. 42A, Room 509  
Vilnius, LT-02189, Lithuania  
Tel. +370 52 078 703  
[info@xmtextiles.com](mailto:info@xmtextiles.com)

### XM TEXTILES ROMANIA

Sos. Tamasi 20, Hala 6B, Parter,  
Buftea, 070000, Ilfov, Romania  
Tel. +40 31 630 3639  
[info@xmtextiles.com](mailto:info@xmtextiles.com)

### XM TEXTILES ITALIA SRL

Via dei Notai, Blocco 23, Centergross,  
40050 Funo di Argelato (BO), Bologna, Italy  
Tel. +39 051 952 8202  
[info@xmtextiles.com](mailto:info@xmtextiles.com)



# Certificate

## OEKO-TEX® STANDARD 100

### SHANGHAI XM GROUP LTD.

is granted the OEKO-TEX® STANDARD 100 certification  
and the right to use the trademark.

#### SCOPE

Woven fabrics made of 100% CO, CO/PES, CO/CF, CO/PES/CF, CO/PA/CF (CF with anti-static function), piece-dyed (vat and disperse) (partly finished with flame retardant products accepted by OEKO-TEX®) or with water, soil or oil repellent finishing; woven fabric made of 100% PES, 100% PA, PES/EL, white, piece-dyed (disperse and acid) and finished, or woven fabric made of 100% PES, transfer printed (disperse) and finished, all with PAN coating; undyed or piece-dyed (incl. fluorescent colours) knitted fabrics (incl. fleece) and UV protection fabrics made of 100% PES, PES/CO, PES/CV, MAC/CO, MAC/CV, MAC/CO/PES, 100% PP, PP/PES, with or without spandex (EL) and antistatic fibers; woven fabric in PA, PES, or mixed with EL, or with PU, TPU, PTFE membrane laminated, or boned fabrics of above with white/piece-dyed PES or PA knitted fabrics (incl. polar fleece) & finished (incl. water/oil-repel, anti-stain) (based on material pre-certified according to OEKO-TEX® STANDARD 100)

#### PRODUCT CLASS

II (products with direct contact to skin) - Annex 4

Further compliance information (REACH, SVHC, POP, GB18401 etc.) can be found on [oeko-tex.com/en/faq](https://www.oeko-tex.com/en/faq).

The certificate is based on the test methods and requirements of the OEKO-TEX® STANDARD 100 that were in force at the time of evaluation.



This certificate BEWO 084394 is valid until  
15.08.2024.

#### SUPPORTING DOCUMENTS

- ✓ Test report : BJ015 224706.1
- ✓ Declaration of conformity in accordance with EN ISO 17050-1 as required by OEKO-TEX®
- ✓ OEKO-TEX® Terms of Use (ToU)

Matz Bachmann  
Managing Director

Dijana Ajdihovic  
Ecology Team Leader

Zurich, 2023-07-21





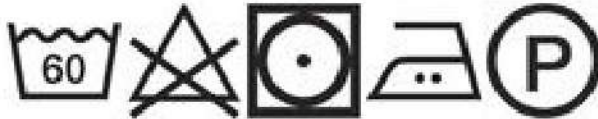
SHANGHAI XM GROUP LTD  
ROOM 2403, ZHONGYI INTERNATIONAL BUILDING NO.1833, NORTH ZHONGSHAN ROAD, SHANGHAI

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : (A)Woven fabric (UNITEC-240,TC 65/35 240GSM twill 2/1 58/59",Order:XMT-20-091 )

Sample Color : (A)Grey#LT10

Proposed Care Instruction :



Sample Receiving Date : Jul 22, 2020

Testing Period : Jul 22, 2020 - Jul 27, 2020

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

Test Performed : Selected test(s) as requested by applicant

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd Testing Center

*Hattie Chen*

Hattie Chen (Account Executive)



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.  
Testing Center - Standards Technical Services

3<sup>rd</sup> Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233  
中国·上海·徐汇区宜山路889号3号楼 邮编: 200233

t (86-21) 61402666 f (86-21) 64958763  
t (86-21) 61402666 f (86-21) 64958763

[www.sgs.com](http://www.sgs.com)  
[sgs.china@sgs.com](mailto:sgs.china@sgs.com)

Test Result

**Colour Fastness To Light**

(ISO 105-B02:2014; Method 2 (Modified), use Xenon arc lamp, Exposure Cycle: A1, no flip-flop mode was used)

Comparison upto blue wool reference 4

-	Unit	(A)
Grade(B.W.S)	-	4

**Colour Fastness To Rubbing**

(ISO 105-X12:2016; Size of rubbing finger: 16mm dia.)

As Received

-	Unit	(A)
Dry Staining	-	4-5
Wet Staining	-	3-4

Remark: Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is worst and 5 is best.

**Colour Fastness To Washing**

(ISO 105-C06:2010; Test No.:C2S, Machine wash at 60°C with 4g/L ECE (B) and 1g/L Sodium Perborate with 25 Steel Balls)

-	Unit	(A)
Change in Shade	-	4-5
Staining On Multi-fibre Stripe		
Acetate	-	4-5
Cotton	-	4-5
Polyamide	-	4-5
Polyester	-	4-5
Acrylic	-	4-5
Wool	-	4-5

Remark: Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is worst and 5 is best.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
**Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com**  
 3<sup>rd</sup> Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233 t (86-21) 61402666 f (86-21) 64958763 www.sgs.com.cn  
 中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61402666 f (86-21) 64958763 e sgs.china@sgs.com

**Dimensional Stability To Washing**

(ISO 3759:2011/ISO 5077:2007/ISO 6330:2012; Using horizontal axis, front-loading type machine; Procedure No.6N, Machine Wash At 60 °C; with 2kg total dry mass (Type III (100% Polyester) Ballast+ Specimen), 'ECE(A)' detergent+ Sodium Perborate+ TAED, Tumble Dry Low, Less Than 60 °C)

After 1 Wash

	Unit	(A)
Lengthwise	%	-1.1
Widthwise	%	-0.6

Remark: (+)Means Growth; (-)Means Shrinkage

**Tearing Strength**

(ISO 13937-2:2000; )

	Unit	(A)
Warp/Length Yarns Torn	N	56
Weft/Width Yarns Torn	N	55

\*\*\*End of Report\*\*\*



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
 3<sup>rd</sup> Building, No.889, Yishan Road, Xuhui District Shanghai, China 200233 t (86-21) 61402666 f (86-21) 64958763 www.sgs.com.cn  
 中国·上海·徐汇区宜山路889号3号楼 邮编: 200233 t (86-21) 61402666 f (86-21) 64958763 e [sgs.china@sgs.com](mailto:sgs.china@sgs.com)