

65% POLYESTER / 35% COTTON

240 GSM / TWILL 2/1



Fabric name	Protec-245
Fabric weight	240 ± 5 gsm
Composition	65% Polyester, 35% Cotton
Full width	150 ± 2 cm
Weave	twill 2/1
Finishes	—
Area of use	workwear jackets, trousers and coveralls
Washing instruction	    

## Physical properties\*

			warp	weft
1	Tensile strength, N	ISO 13934-1:2013	1800	1000
2	Tearing strength, N	ISO 13937-3:2000	45	45
3	Dimensional Stability To Washing, max.	ISO 6330:2000	3.0%	3.0%
4	Abrasion Resistance	ISO 12947-2:2002	> 50 000	
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	3-4	
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		3-4	
	Wet		2-3	
9	Colour Fastness To Light	ISO 105-B02:2013	> 4	

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

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OEKO  
TEX®

# 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 (with vat and disperse dyestuffs) (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 (with disperse and acid dyestuffs) and finished [only 100% PES or 100% PA woven fabric with or without transparent PU coating (windproof) or water repellent (resistance)], partly 100% polyester woven fabric laminated with ... [Please scan QR code for full scope]

#### PRODUCT CLASS

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



This certificate BEWO 084394 is valid until  
15.08.2026.

#### SUPPORTING DOCUMENTS

- ✓ Test report : BJ015 266840.1
- ✓ Declaration of conformity in accordance with EN ISO 17050-1 as required by OEKO-TEX®
- ✓ OEKO-TEX® Terms of Use (ToU)

A handwritten signature in blue ink, appearing to read 'Matz Bachmann', is placed over a horizontal line.

Matz Bachmann  
Managing Director

A handwritten signature in blue ink, appearing to read 'Janine Kuchelmeister', is placed over a horizontal line.

Janine Kuchelmeister  
Ecology Team Leader

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

Zurich, 2025-07-24

