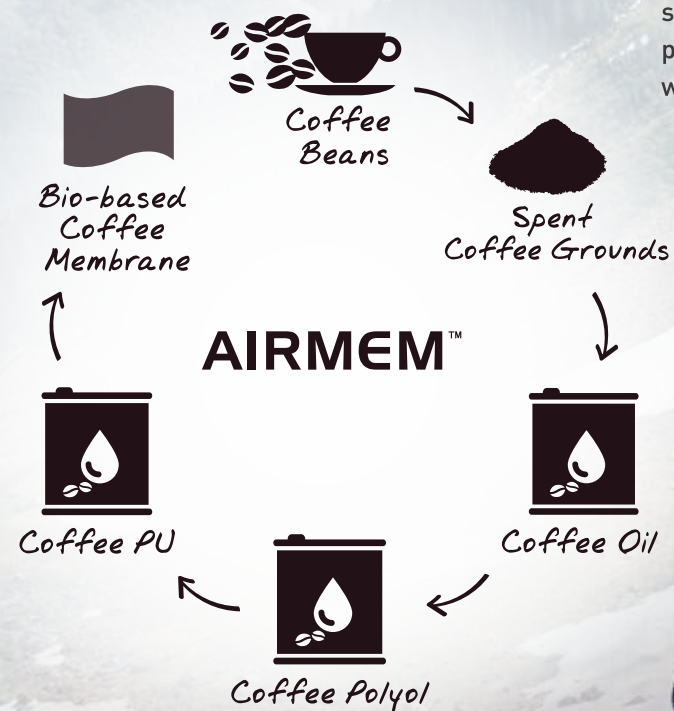
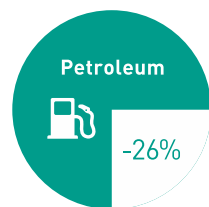


AIRMEM™

AIRMEM™ is a patented membrane technology containing 26% biobased coffee oil derived from spent coffee grounds, designed to reduce reliance on petroleum-based materials while delivering waterproof, windproof, and breathable performance.



=



=



* Product description: Intermediate membrane is with 26% biobased coffee elements.
* Notice of Certification / Application ID: 4664

26% of petroleum-based content in the membrane replaced with coffee-derived biobased oil.

The innovative choice if you're looking for a BIO-Based Membrane!

Patented Technology



US 9822482 TW I 461300B

SINGTEX™ INDUSTRIAL CO., LTD.

NO.10, WUQUAN 2ND RD.,
XINZHUANG DIST., NEW TAIPEI CITY 248020, TAIWAN
TEL : 886-2-8512-7888 FAX : 886-2-2298-9888
E-MAIL : SALES@SINGTEX.COM

AIRMEM™

SINGTEX™
www.singtex.com



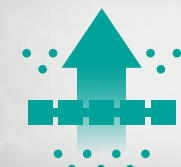
26% Bio-based Membrane
Replacing 26% of petro-based materials with recycled coffee oil.



WINDPROOF
AIRMEM™ blocks wind while keeping a soft touch to your skin.



WATERPROOF
Fabrics with AIRMEM™ keeps your body dry.



BREATHABLE
AIRMEM™ directs body moisture through and makes your skin feel comfortable and dry.

bluesign
SYSTEM PARTNER



www.scafefabrics.com

Copyright © 2019-2026 SINGTEX™. All rights reserved.

AIRMEM™ patent belongs to S.Café®

S.Café®

26%
BIO-BASED CONTENT

AIRMEM™

**COFFEE OIL
MEMBRANE
TECHNOLOGY**

Patented Technology
US 9822482 / TW I 461300B



* Product description: Intermediate membrane is with 26% biobased coffee elements.
* Notice of Certification / Application ID: 4664

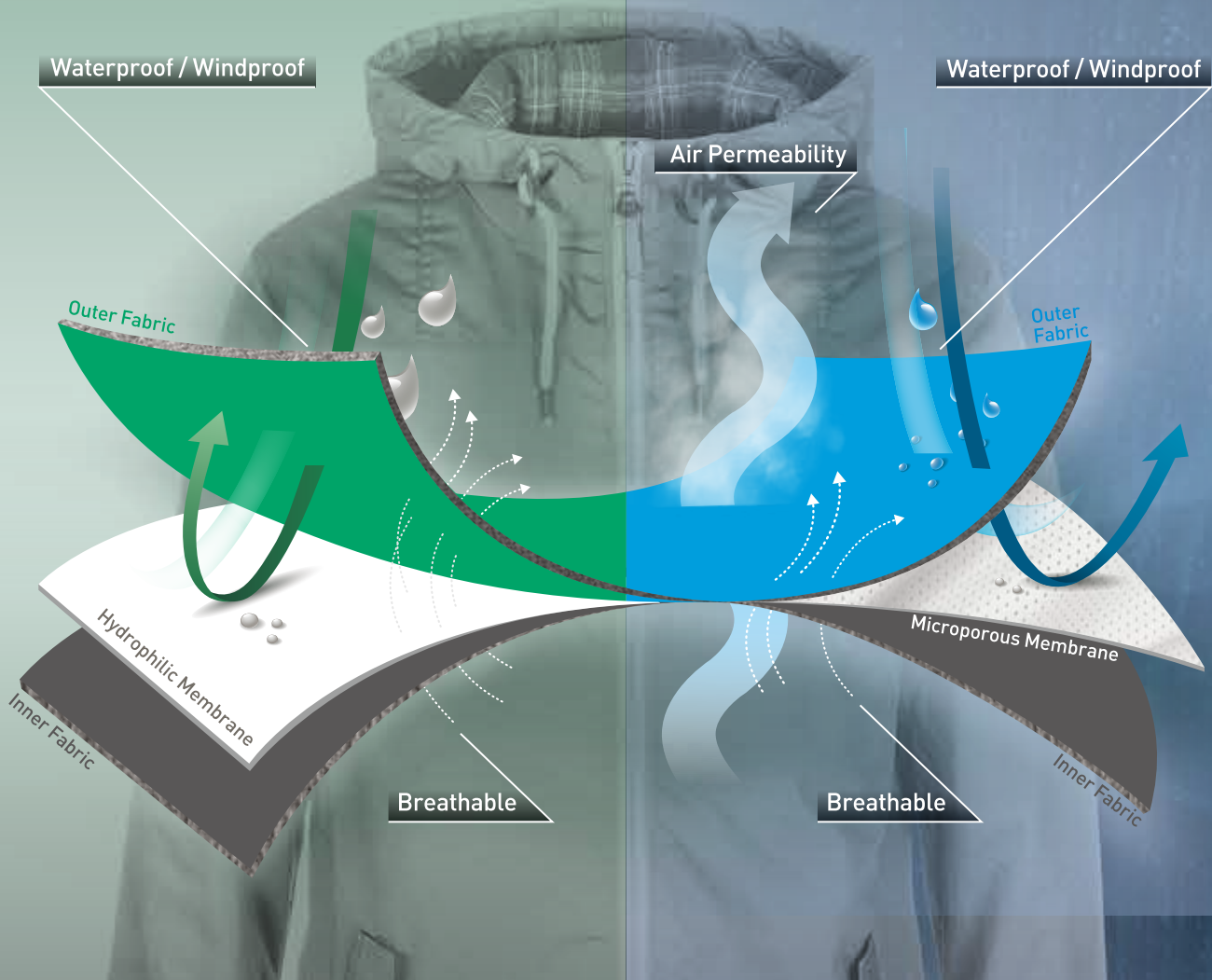


HOW DOES IT WORK

AIRMEM™ is a patented technology featuring a membrane with 26% bio-based coffee oil. Combined with flexible or hard-shell fabrics, it delivers excellent breathability and water resistance.

AIRMEM™ Hydrophilic membrane

The AIRMEM™ hydrophilic membrane actively absorbs and transfers body moisture outward for excellent breathability. It seamlessly laminates with various fabrics to deliver reliable, customizable windproof and waterproof protection.



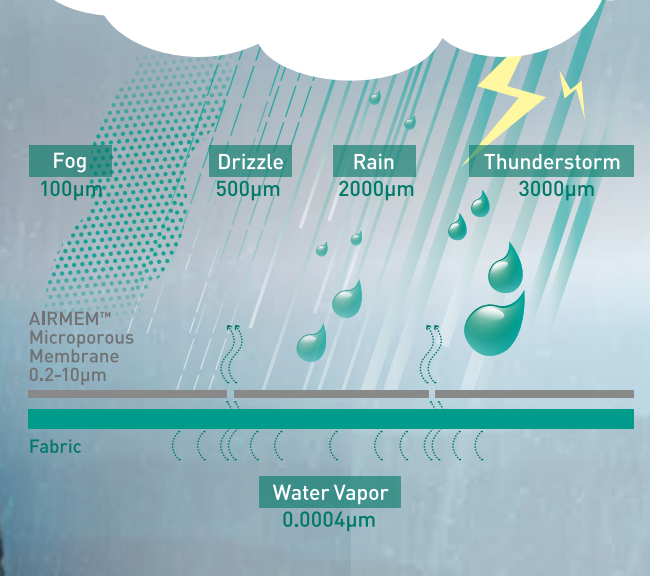
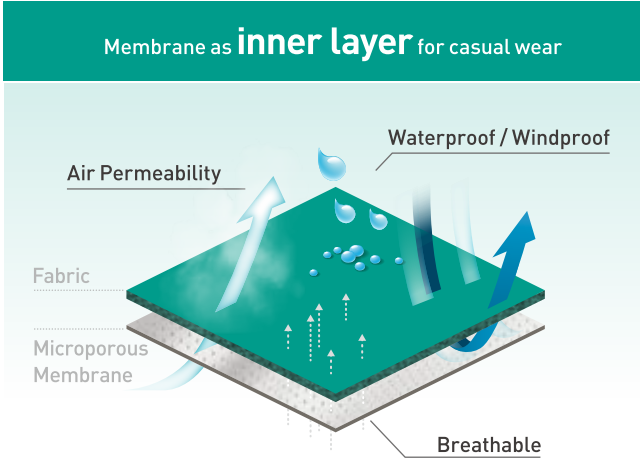
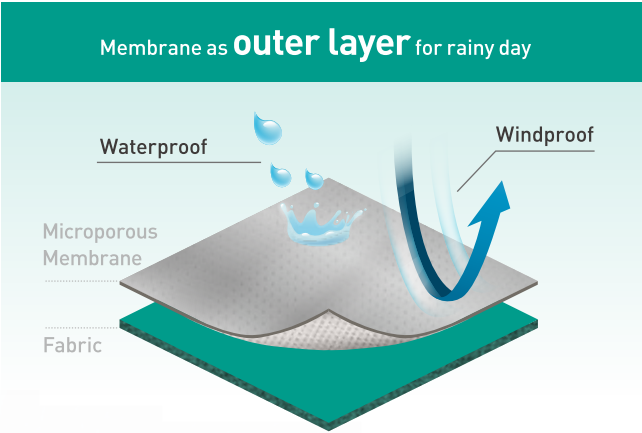
AIRMEM™ Microporous membrane

Featuring millions of microscopic pores (0.2–10µm), this membrane blocks raindrops while allowing body vapor (0.0004µm) to escape. This unique structure ensures optimal air exchange, keeping the wearer completely dry.

AIRMEM™ COLORSHELL

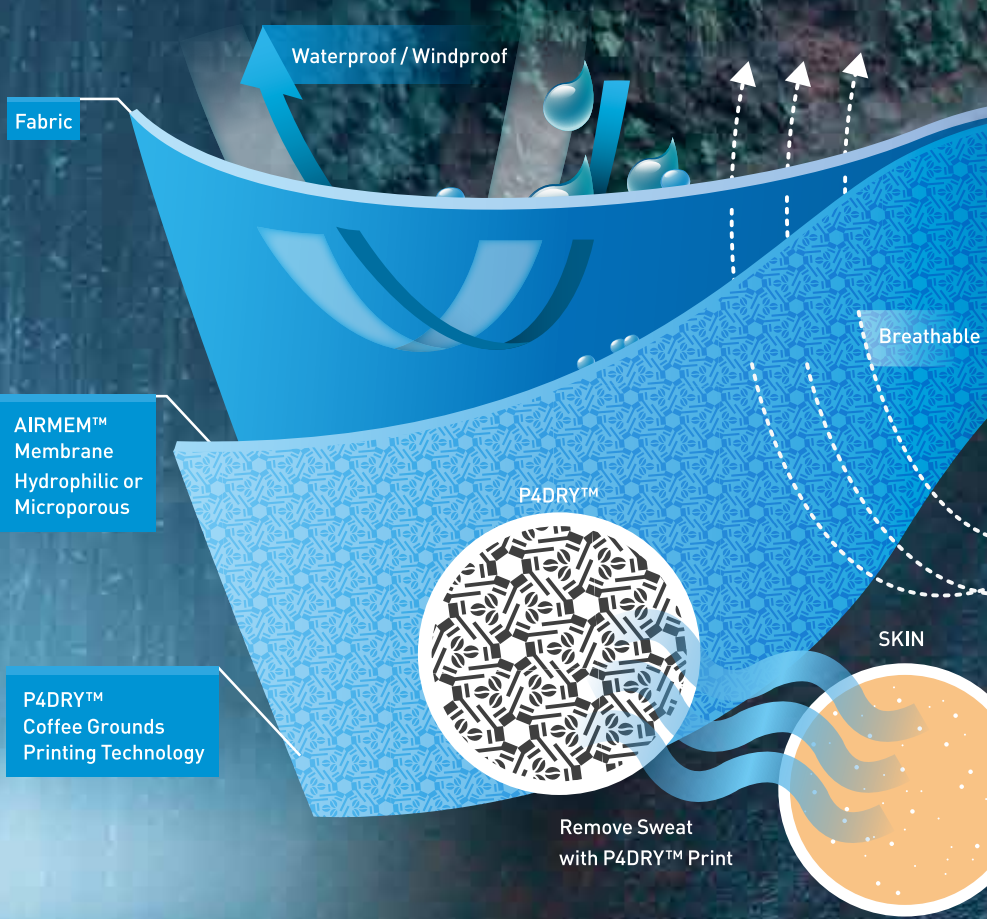
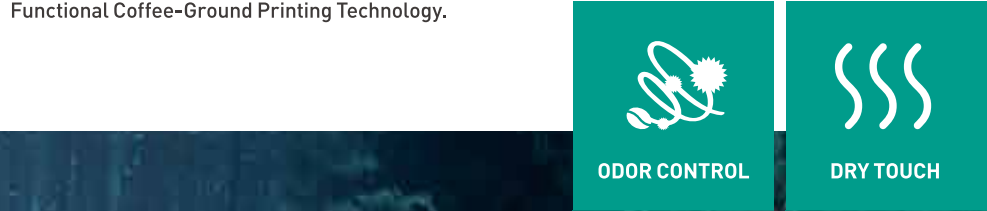
Not only provides exceptional windproof and waterproof protection, but also permits excellent moisture vapor permeability to keep wearers dry and comfortable.

AIRMEM™ COLORSHELL is engineered for high-performance reversible jackets, seamlessly transitioning from a protective technical outer shell for rainy days to a soft, stylish interior for casual wear. It gives wearers the ultimate flexibility to choose their style and level of protection.



P4DRY™

Functional Coffee-Ground Printing Technology.



This patented technology transforms processed coffee grounds into a functional, next-to-skin layer. Its natural micro-pores accelerate moisture dissipation, provide superior dry-touch comfort, and deliver highly effective, long-lasting odor control (tested via ISO 17299). Patent No.: TW I 723797B



72% POLYESTER 28% AIRMEM™ PU
WIDTH : 54" WEIGHT : 145gm/m²±5%

AIRMEM™
BS-802605WMMCO

74% POLYESTER 20% AIRMEM™ PU 6% SPANDEX
WIDTH : 54" WEIGHT : 181gm/m²±10%

AIRMEM™
S3W-2152SC0

78% POLYESTER
22% AIRMEM™ COLORSHELL PU
WIDTH : 56" WEIGHT : 205gm/m²±5%

AIRMEM™ COLORSHELL
CBS-86875UC0

80% RECYCLE POLYESTER 20% AIRMEM™ PU
WIDTH : 56" WEIGHT : 166gm/m²±5%

P4DRY™
BS-802835UC0

	Windproof	Waterproof (JIS L 1092 B)	Breathability (JIS L 1099 B1) (JIS L 1099 A1)	Odor Control (ISO 17299)
AIRMEM™ HYDROPHILIC MEMBRANE	high	high	high (B1)	no
AIRMEM™ MICROPOROUS MEMBRANE	high	medium	high (A1)	no
AIRMEM™ COLORSHELL	high	medium	high (B1)	no
P4DRY™ COFFEE-GROUND (HYDROPHILIC MEMBRANE)	high	high	high (B1)	yes
P4DRY™ COFFEE-GROUND (MICROPOROUS MEMBRANE)	high	medium	high (A1)	yes