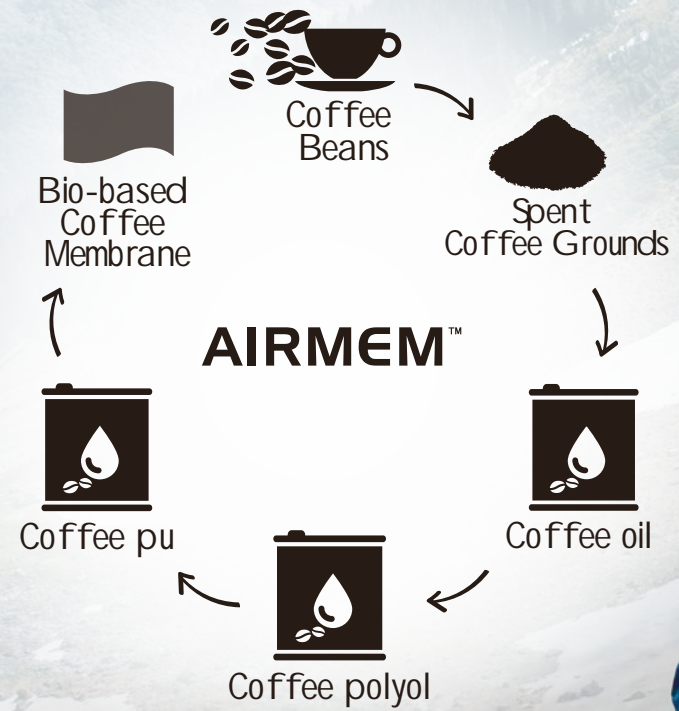
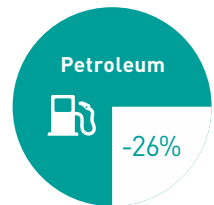


AIRMEM™

AIRMEM™ contains 26% of coffee oil extracted from spent coffee grounds, the membrane is aimed to replace petroleum-based materials with a more sustainable alternative.



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Replace 26% of Petro-based materials

Eco-Friendly

THE MOST ECO-FRIENDLY CHOICE IF YOU'RE LOOKING FOR A BIO-BASED MEMBRANE!

Patented Technology



US 9822482 TW I 461300

SINGTEX® INDUSTRIAL CO., LTD.

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XINZHUANG DIST., NEW TAIPEI CITY 248, TAIWAN
TEL : 886-2-8512-7888 FAX : 886-2-2298-9888
E-MAIL : SALES@SINGTEX.COM

AIRMEM™

www.singtex.com
SINGTEX®



ECO-FRIENDLY

Using spent coffee grounds as biomaterial, AIRMEM™ lightens the burden of the Earth.



WINDPROOF

AIRMEM™ blocks the wind while keeping the 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.



www.scafefabrics.com

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AIRMEM™ patent belongs to S.Café®

Scafé®
SUSTAINABLE PERFORMANCE

SAVE ENERGY

26%

AIRMEM™

THE WORLD'S FIRST BIO-BASED COFFEE MEMBRANE

Patented Technology
US 9822482 / TW I 461300



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

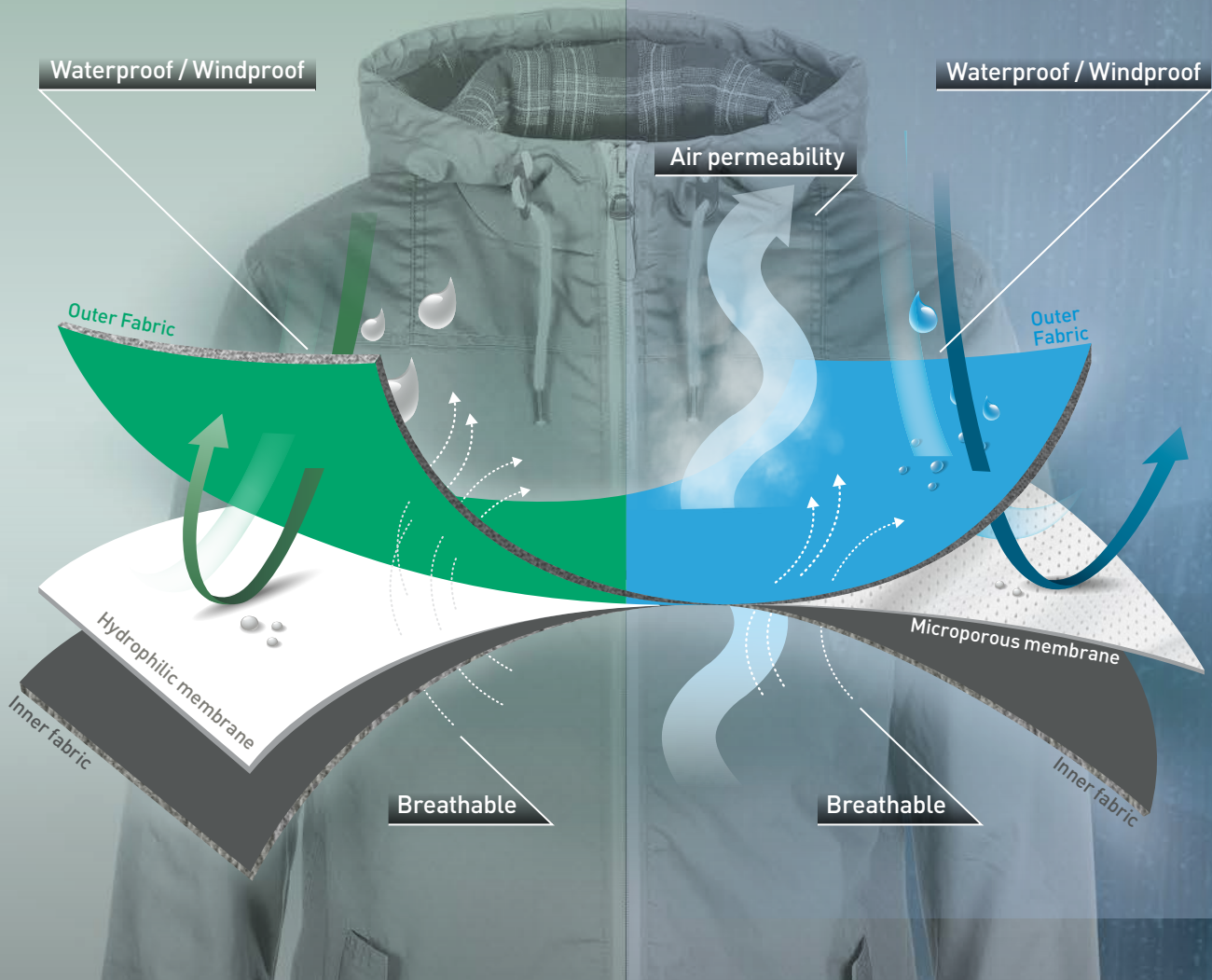


HOW DOES IT WORK

AIRMEM™ is the first patented technology of the world which used coffee bio-based membrane combined with flexibility or hard-shell fabric, achieving excellent breathability and water resistance.

AIRMEM™ Hydrophilic membrane

Through the hydrophilic property of the membrane absorb moisture to achieve the function of moisture permeability. The membrane conducts various combinations of fabrics to provide different levels of water resistance. It also provides windproof and waterproof. AIRMEM™ Hydrophilic membrane can be widely used in various applications.



AIRMEM™ Microporous membrane

By using millions of micropores in the material to let the moisture passes through the pores directly. AIRMEM™ microporous membrane features water resistance is based on the aperture of the pores controlled between 0.2-10µm. It can prevent raindrops (size of 100-3000µm) permeate from outside and allow humid vapor (0.0004µm) diffuse from human body. This unique structure provides air exchange and moisture dissipate while remaining completely dry.

AIRMEM™ COLORSHELL

AIRMEM™ COLORSHELL uses microporous membrane technology. Not only provides windproof, waterproof and oil repellence, but also permit excellent moisture vapor permeability to keep wearer stay dry and not feel cold.

AIRMEM™ COLORSHELL can be designed for reversible jacket, allowing it to be switched from a membrane outer shell to a textured soft interior. Wearer can keep options open to choose which side wearing.



AIRMEM™ P4DRY™

The patented technology gives you a dry and comfortable experience by using the properties of coffee grounds.



After grinding the coffee grounds and being as a print on the fabric, AIRMEM™ P4DRY™ contacts skin directly and dissipate the moisture from human body. The pores of coffee grounds can absorb bad smells to achieve odor control.

77% POLYESTER 23% AIRMEM™ PU
WIDTH : 56" WEIGHT : 131gm/m²±5%

80% POLYESTER 20% AIRMEM™ PU
WIDTH : 56" WEIGHT : 112gm/m²±10%

68% POLYESTER 32% AIRMEM™ COLORSHELL PU
WIDTH : 52" WEIGHT : 122gm/m²±10%

65% POLYESTER 35% AIRMEM™ PU
WIDTH : 55" WEIGHT : 72gm/m²±5%

	Breathability	Air Permeability	Windproof	Waterproof	Oil Repellence	Odor Control
AIRMEM™ HYDROPHILIC MEMBRANE	medium	no	high	high	no	no
AIRMEM™ MICROPOROUS MEMBRANE	high	yes	high	high	no	no
AIRMEM™ COLORSHELL	high	yes	high	high	yes	no
AIRMEM™ P4DRY™ (HYDROPHILIC MEMBRANE)	medium	no	high	high	no	yes
AIRMEM™ P4DRY™ (MICROPOROUS MEMBRANE)	high	yes	high	high	no	yes