Keep The Best Condition

01 Keeps you fresh

02 Excellent weather protect

03 Is like your skin

04 Is the next generation of Nanotechnology

05 The integration of Nanotechnology
FRESHNESS
(R.E.T: Resistance to Evaporative Transmission)
The evaporative resistance is a measure of moisture permeability which affects the latent heat transfer from the skin through the clothing layer and affects evaporative heat loss from skin surface. The comfort level can be translated with R.E.T measurement, and any number below ‘7’ represents comfort and lower number translates to ‘bigger comfort’.

nexture demonstrated excellent level of breathability and air/moisture permeability.

BREATHTABILITY
The “breathable” performance of moisture vapor refers to the capability to move or transfer moisture in the form of vapor. Moisture vapor breathability of nexture helps to remove sweat and reduce body core temperature. Nano-pores of nexture work just like human skin. Thus, it gives a body an extra comfort.

AIR PERMEABILITY
nexture gives you new experience like you never experienced ever before. Excellent air permeability allows your body feeling cool and fresh during workout or any outdoor activities.

<Test>
Fill the test plate with water, and inject air using air pump from the bottom. This test proves air permeability level of nexture.
<Test result>
Regular membrane does not show any signs of air penetration, however nexture membrane shows air bubble penetrating through nano scale of pores.
WATERPROOF

The membrane is what makes the fabric waterproof. Nano size of membrane pores prevent rain or snow to penetrate into the fabric keeping a body dry.

WINDPROOF

necture blocks icy wind to penetrate inside of fabric and maintains adequate distance between body and clothing to keep favorable warm temperature and dry condition.

*Sensory temperature calculation

\[ T = 4 \times \sqrt{V} \]  
(T: Temperature, V: Velocity)

Ex) Temperature 20°C, Wind velocity of 9 m/h. Sensory temperature → 20 + 4 \times \sqrt{9} \approx 8°C
nerture designed similar to human skin gives a body the highest level of comfort.

- **Freshness (R.E.T)**
  - R.E.T: Below 7m⁻¹ Pa/W

- **Air Permeability**
  - Below 0.5cm²/cm/sec

- **Breathability**
  - Over 25,000g/m²/24hr

- **Waterproof**
  - Over 7,000 mm/h.

### INFRARED RAY TEST

Infrared Ray Test was conducted in order to see how fast and well nerture can release heat compared to regular products. The LR test is known as "heat" or "heat radiation" and heat is vividly shown by multiple color with yellow being the highest temperature.

**<nerture>**

The result shows nerture has an outstanding breathability and that it helped quickly release body heat generated from workout.

**<Regular product>**

With regular product, there wasn’t much reduction in body heat after workout.

### APPLICATIONS

**TREKKING & FISHING WEAR**

From armature to professional mountain climbers (or fisherman) can enjoy light, waterproof, weather protection nerture. It is durable and keeps body warmth throughout the journey.

**Ski & Board Wear**

nerture regulates skier and boarder’s body temperature with its amazing breathability.

**GOLF WEAR**

Soft, light and yet functional fabric makes it excellent for golf wear.

**ACTIVE (RUNNING/CYCLING) WEAR**

nerture gives a new level of comfort. It pulls perspiration away from skin to keep body dryer and more comfortable. It keeps body feeling cool and dry and it is the best fabric for active wear.
WHAT IS “nextrue”?  
nextrue is the created by integrating Nanotechnologies.  
This is the newest and the most excellent material accelerates  
the function of breathability, water & windproof and durability  
which is excellent characteristics for any variety range  
of outdoor apparels.

HOW IS IT POSSIBLE?  
• Nano Web Membrane of nextrue  
  Nano scale is 1/10 billion unit.  
  Nano fiber written as 1nm, represents the thickness of fiber  
in nano meter. Produced from electro spinning to formulate  
the Nano Web Membrane structure. The method is very different  
from regular yarn spinning and that different electric charges were  
applied to the fabric, resulting in nextrue Nano Web Membrane.

• nextrue’s behind theory of Nano Web Membrane
The integration of Nanotechnology

**POROSITY & MASSIVE SURFACE AREA**
- Per 1g 3,800km of extensive Nano Web structure formulated by the size of micro nano scales of water bubbles which blocks any water access.
- Beyond the calculation of surface interacts with air and functions for instant circulations of sweat and moisture to maintain the utmost level of comfort ness in apparels.

**HYDROPHOBIC**
Preventing any water to penetrate into the clothing helps to maintain body fresh.

**LIGHT WEIGHT**
Only weighing 1/3 of regular products.

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Cross section sem magnified by 350 times
Cross section sem magnified by 2,000 times

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High-technology functional fabric

nexture
Keep The Best Condition

nexiture®
NANO TEXTURE

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