



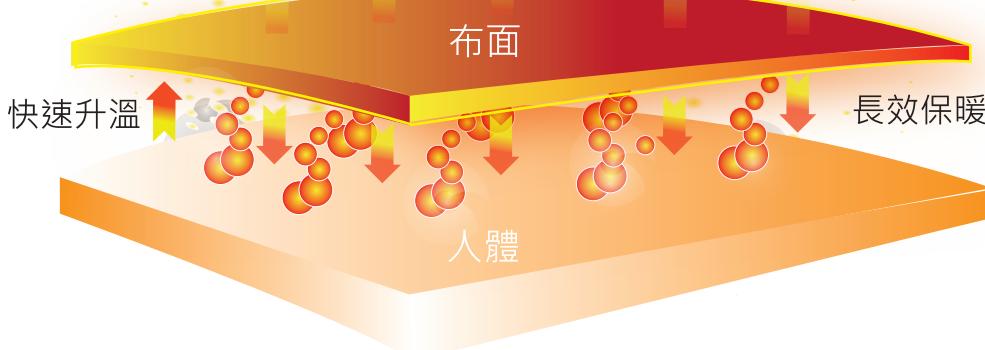
光熱龍®蓄溫保暖織物

新世代科技快熱蓄溫素材

迎接機能保暖的時代來臨，新一代機能快熱蓄溫保暖織物，將環境能量及人體體溫轉換為熱能，真正達到蓄熱保暖布料機能效果，是最適合冬日保暖的科技輕量新素材。

光熱龍®快熱蓄熱保暖織物優勢：

- 1.進化版，升溫效果更快速
- 2.專利微量金屬+碳材料長效型複方快熱結構。
- 3.升溫速度快，可瞬間蓄溫保暖。

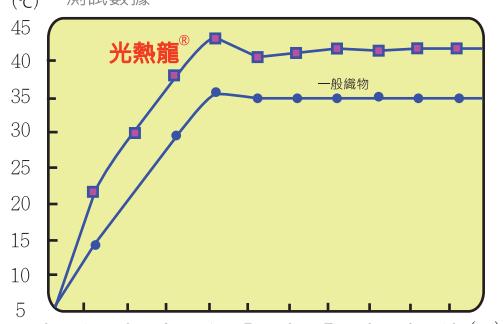


•紅外線保溫箱測試法(FTC-RD-041):

測試結果

標準樣到35°C後，所經過時間	一般織物	光熱龍®
5 min	35°C	38°C
15 min	35°C	37.5°C

測試數據



*環境5°C±2°C

*熱源：遠紅外線燈供應熱能，使測試溫度維持35°C(模擬人體體溫對布料溫度提升的效果)

*升溫速率會因布種不同而有所增減



PERMAWARM®

Thermal-Insulation Fabric

New-Generation High-Tech

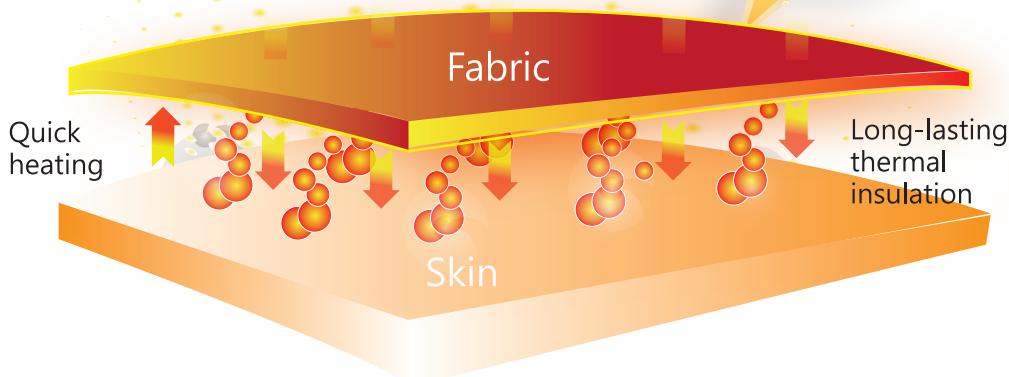
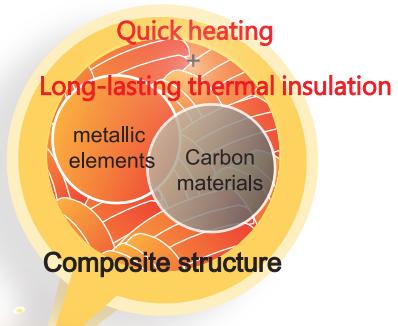
Quick Thermal Heat-Insulation Materials

To cope with the coming era of functional thermal insulation, the new-generation quick thermal heat-insulation fabric converts environmental energy and body temperature into thermal energy that genuinely achieves the function and effect of thermal-insulation. It is a new high-tech lightweight material ideal for thermal insulation in the winter.

Advantages of PERMAWARM®

Quick Thermal Heat-Insulation Fabric:

1. Advanced version with faster heating effect.
2. Patented trace metal + carbon materials with long-lasting composite structure
3. Quick heating speed that instantaneously insulates the heat

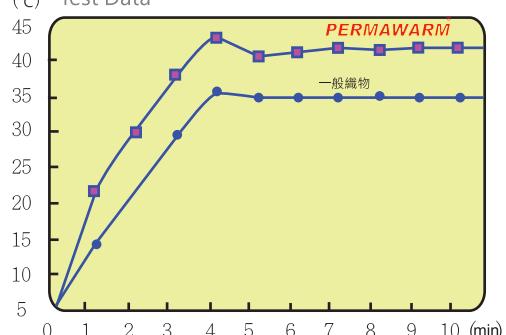


•Infrared Heat-Insulation Performance Test (FTC-RD-041):

Test results

Time elapsed after testing samples up to 35°C	General Fabric	PERMAWARM®
5 min	35°C	38°C
15 min	35°C	37.5°C

Test Data



*Environment temperature: $5^{\circ}\text{C} \pm 2^{\circ}\text{C}$

*Heat Source: Infrared thermal heat supplied to maintain the testing temperature at 35°C

(A simulation of the effect of human body temperature on the heating process of the fabric).

*The actual performance should vary based on the construction and component of each product.