

ITOFINISH COOL MCP is the improved type of cooling finish. ITOFINISH COOL MCP contains microencapsulated paraffin that shows heat buffering effect near human body temperature and xylitol which has characteristic of endothermic reaction by moisture absorbent. Clothes finished with this agent make one feel cool.

PROPERTIES

- **Appearance** : Milky white liquid.
- **Main Ingredient** : Microcapsulated paraffin, Sugar alcohol
- **Ionic Character** : Nonionic. Cationic.
- **Solubility** : Disperse in cold water

APPLICATION

In Padding:

- **ITOFINISH COOL MCP** : 50 g/l
- **Drying** : 100°C for 2 min.
- **Curing** : 140°C for X min.

In Exhaustion:

- **ITOFINISH COOL MCP** : 5 %
- **Liquor Ratio** : 10:1, at 40°C for 20 min.
- **Dehydrating and Drying** : 100°C
- **Curing** : 140°C for X min

CHARACTERISTICS

1. ITOFINISH COOL MCP gives cool sensation by its endothermic reaction by moisture absorbent (perspiration) and its heat buffering capability that effects near human body temperature.
2. ITOFINISH COOL MCP shows excellent stability because material for this heat buffering capability are microencapsulated.
3. ITOFINISH COOL MCP contains binder so that it's a one pack system.
4. ITOFINISH COOL MCP has water-absorbing property

DISCLAIMER

The information herein offered is based on the best of our knowledge at present. However, we are not able to guarantee these matters, as the result of application may vary according to conditions adopted. Preliminary tests are, therefore, recommended in all cases. Please refer to MSDS regarding handling of the products.

APPENDIX

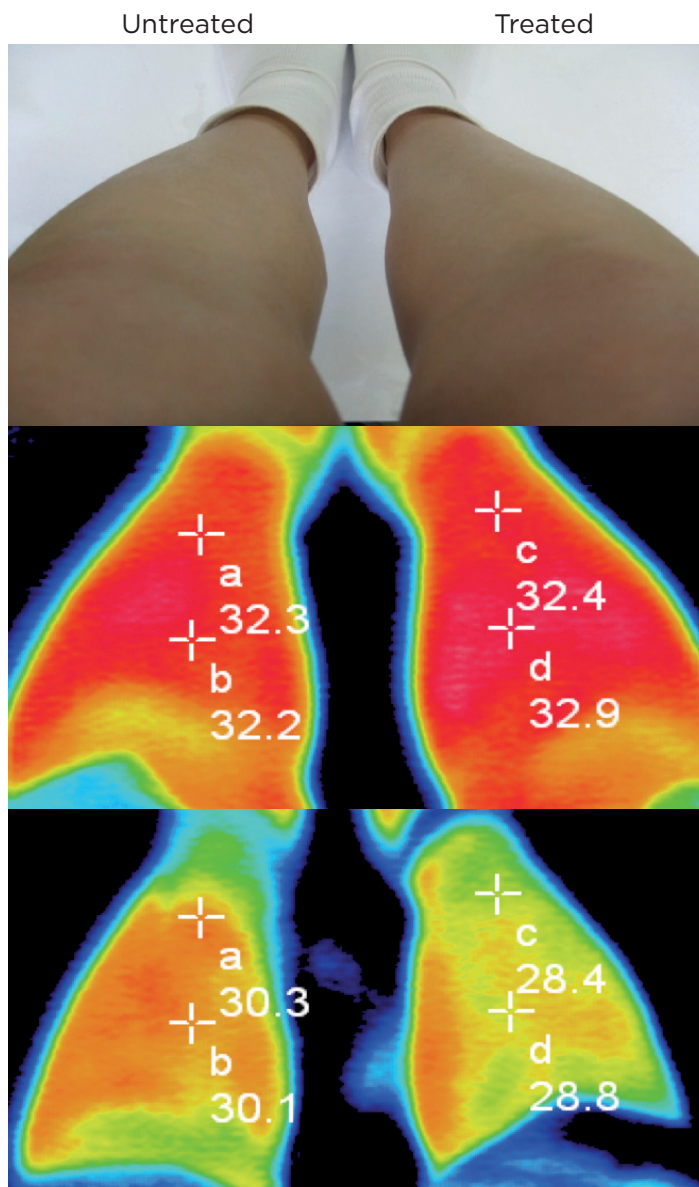
Example of testing using thermal imaging camera

Measure the body temperature before wearing the fabric.

Water mist is sprayed onto the fabric to simulate perspiration.

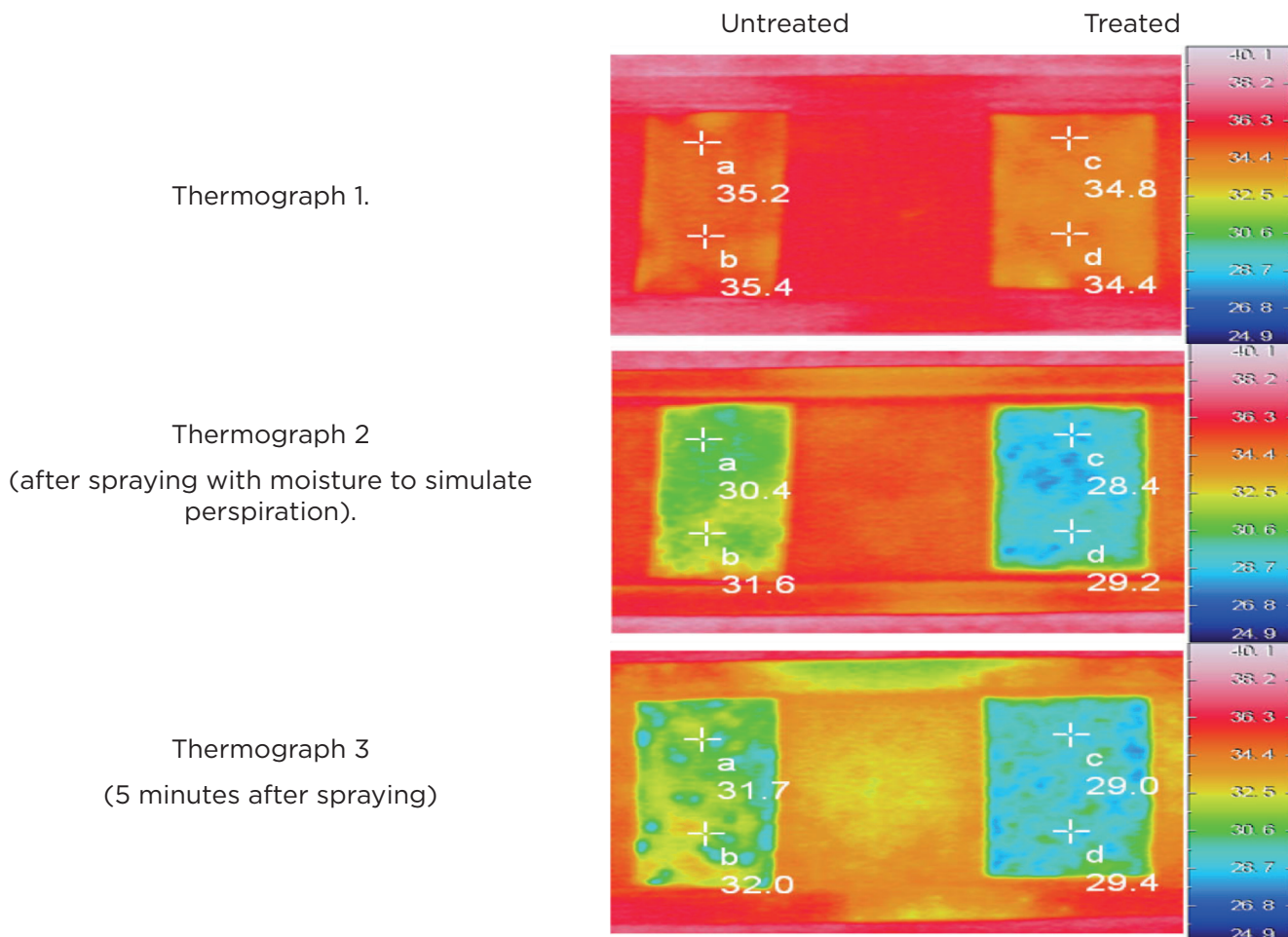
The test subject then exercised (stepping) for 3min.

The fabrics were removed and the body temperature was measured again using the thermal imaging camera.



APPENDIX

Example No. 2 - Fabric is placed into a metal tray floating in a water bath maintained at 36°C.



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IMAGINATION INK™