



Protects from
Heating up



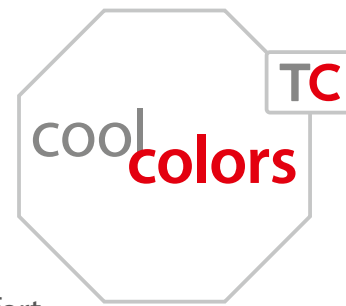
SECURITY

Further information about the safe use of the product can be found on our Safety Data Sheet!

The recommendations and information about our products given here in words and writing are based on extensive research work and represent our current experience in the textile finishing business. They are non-binding – including with regard to the intellectual property rights of third parties and foreign laws – and do not exempt users from testing the product and process themselves for suitability for their purposes. In particular we do not accept any liability for any purposes not expressly mentioned by us in writing. We reserve the right to make technical changes in the course of new product development. In the event of damage please refer to our General Terms and Conditions of Sales and Delivery, Item 7.



Protects from Heating up



Textiles with coolcolors-technology heat up less in the sun and stay cool to the touch. coolcolors improves wearing comfort and well-being.



UV-PROTECTION



HEAT PROTECTION

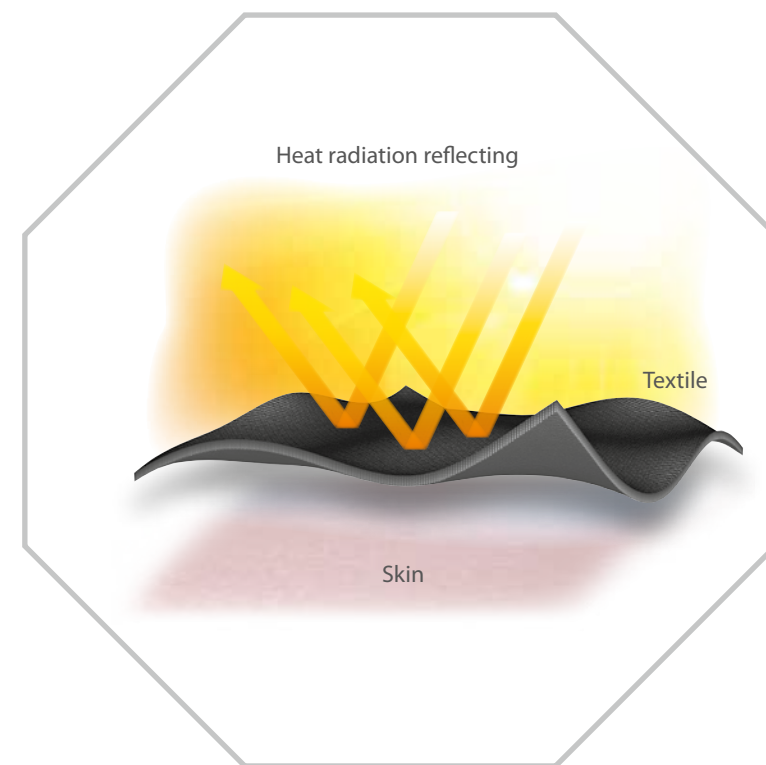


BREATHABLE



WASHPROOF

- Highly efficient on dark-colored textiles
- Suitable for light-colored fabrics lacking UV protection
- Reduces thermal radiation absorption
- Sweat reduction
- Guarantees compliance with minimum UPF 30 for UV protection * for all colors and textiles
- UPF may vary based on textile characteristics (structure, thickness, material)
- Individual UPF determination required for specific applications



Performance Testing

The Swiss Federal Laboratories for Materials Science and Technology assessed the heat and moisture transfer properties of coolcolors using a sweating torso. The test was conducted using three different garment samples that were wrapped tightly around the sweating torso. When exposed to simulated sunlight (infrared lamp), the torso wearing the black sample treated with coolcolors displayed:

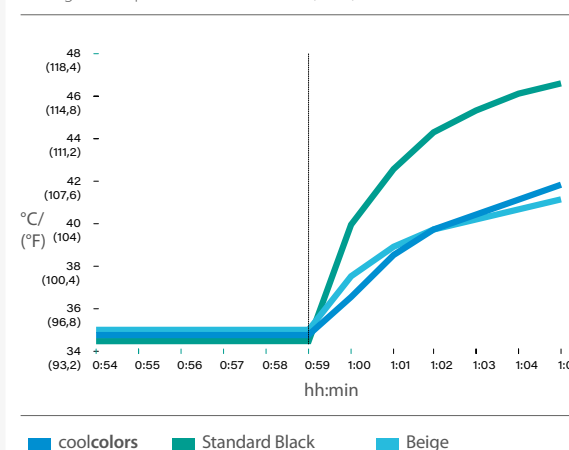
A

A significantly lower increase in temperature (approx. 5 °C / 9 °F) than the non-treated black sample – cooling effect

B

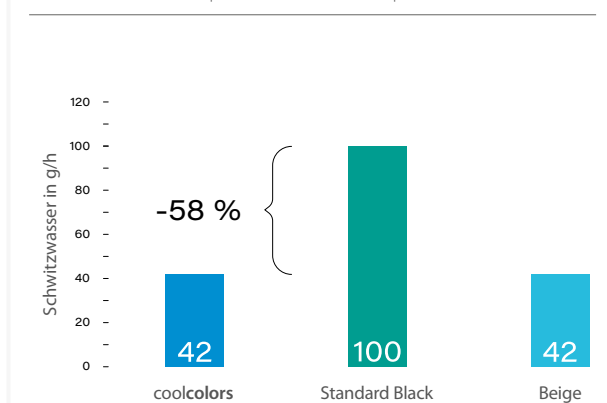
Only about half as much (-58 %) perspiration water as the non-treated black sample to achieve the same torso surface temperature – reduced sweating

Torso surface temperature all samples. Temperature sensor at front and side facing the lamps. Cabin climate: 20 °C (68 °F)/50 % RH



(Empa Test Report No. 448807 of 26. March, 2008)

Quantity of perspiration water required by the "torso" testing appliance to stabilize the surface temperature with defined exposure



(Empa Test Report No. 449906 of 28. July, 2008)

Sustainability

coolcolors is produced in accordance with the bluesign® system. The bluesign® system is the solution for a sustainable textile production. It eliminates harmful substances right from the beginning of the manufacturing process and sets and controls standards for an environmentally friendly and safe production.



* according to Australian Standard AS/NZS 4399 (1996)