



FUNCTIONAL WEAR SERIES – E-SHOWER EVALUATION ON GARMENTS

WATERPROOFNESS – CRITICAL FUNCTIONALITY FOR ACTIVE AND PROTECTIVE GARMENTS

Waterproofing is a basic but essential requirement for conventional wet-weather clothing, personal protection clothing, and workwear. It also protects wearers against environmental factors and helps them maintain core body temperature during various sports, such as mountaineering, cycling and golfing.

Traditional test methods evaluate the waterproof performance of a garment by looking at material specimens and mocked-up samples. This approach does not consider design factors like construction or the seaming method.

SGS offers a comprehensive waterproofness assessment service for ready-to-wear garments, using the Manikin Edward method to simulate rainfall when examining protection performance and wetting distribution.

Manikin Edward Wetting Distribution and the Edward Performance Index™ (EPI) are used to indicate a garment's wetting distribution. This allows design improvements to be made, with only garments able to resist the penetration of water through fabrics and seams being classified as waterproof. Manikin Edward Wetting Distribution and the Manikin Edward method provide a thorough examination of a garment's waterproof protection performance by assessing its design, fabric components and seam selection.

Contact Global.SL@sgs.com today to find out how we can help you to improve the waterproof protection performance of your garments.