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UV PROTECTION AND CLOTHING

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Clothing can provide substantial protection against solar ultraviolet radiation (UVR) and quantifying the amount of protection can have useful applications to recreational, occupational and medical situations.

Various test methods for measurement of UVR transmittance through fabrics are discussed. The measured transmittances can be used to calculate the erythemally weighted UVR transmitted by the fabric and thus the amount of protection provided. Factors affecting the UVR transmission of fabrics are also detailed. Currently existing standard documents are discussed, and then the document outlines a recommended test method for the determination of the UVR transmitted by fabrics and details a rating scheme using Ultraviolet Protection Factors (*UPFs*) to quantify the protection. Areas where research and standardisation efforts are still needed are discussed.

The report is written in English, with a short summary in French and German. It consists of 52 pages with 8 figures and 10 tables, and is readily available at the CIE National Committees and via the website of the Central Bureau of the CIE (www.cie.co.at).

The price of this publication is EUR 56,-- (Members of the CIE National Committees get 50% discount).