

**EN 12224:2000 – Geotextiles and geotextile-related products –  
Determination of the resistance to weathering**

**IMPORTANT:** This information sheet is not a standard. The full text of the standard can be obtained from your national standardization body.

*Supersedes EN 12224:1996.*

Scope:

Methods for the exposure of geotextiles and geotextile-related products to weathering conditions more intense than those of natural weathering, using fluorescent UV lamps (ISO 4892-3).

Index test to differentiate between products with little or no resistance to weathering and those which do have this resistance.

Principle of test:

Specimens are exposed to a light source for a defined radiant exposure or exposure time and at recommended temperature and moisture conditions.

The radiant exposure shall be 50 MJ/m<sup>2</sup>, with alternating wet/dry cycles. After this exposure the change in performance of these specimens is determined.

Number of specimens:

As needed for tensile testing: five test specimens and five control specimens, in both main directions of the product, e.g. warp and weft for woven fabrics.

Expression of results

Percentage retained strength or elongation, compared to the control specimens

Comment:

Further guidance on durability assessment can be found in ISO/TS 13434:2008 Geosynthetics – Guidelines for the assessment of durability, and in the annexes B and E of the product standards.