

**EN 13719 – Geotextiles and geotextile-related products –
Determination of the long term protection efficiency of geotextiles in
contact with geosynthetic barriers.**

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

Scope:

Index test used to determine the efficiency with which geotextiles or geotextile-related products will protect a geosynthetic barrier or other contact surface against the mechanical long term effects of static point loads.

The test measures the strains experienced by a geotextile or geotextile related product in contact with a deformable pad.

Principle:

A load of 300, respectively 600 or 1200 kN/m², is applied for 100 hours through a simulated standard aggregate (metal nuts M 16) on to a specimen, which is supported on a simulated standard subgrade (lead sheet).

The local strain in the lower surface of the geotextile is measured and used to determine the protection efficiency.

Number of specimens: 3

Results

A curve of the strain at the different pressures is drawn and the protection efficiency expressed as the reciprocal of its slope (in kN/m²)

Comment:

A possible alternative to assess protection efficiency is EN 14574:2004 Geosynthetics – Determination of the pyramid puncture resistance of supported geosynthetics.