

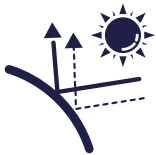


Lotrak®

Durability of Lotrak®

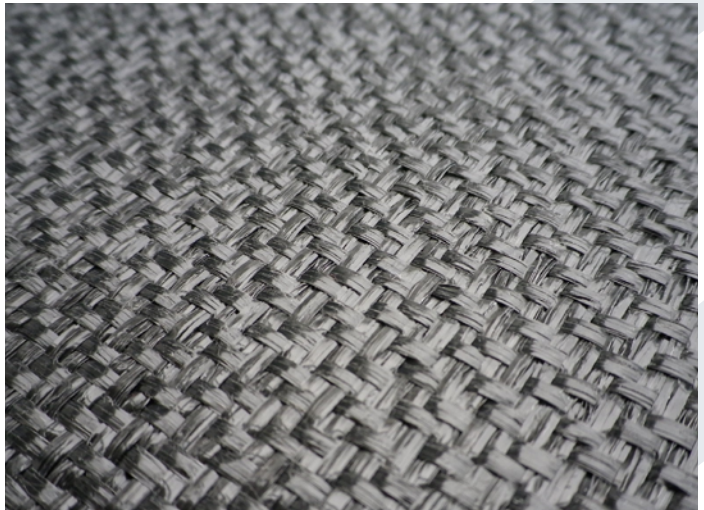
Don & Low have commissioned ERA Technology Ltd to predict long term durability based on accelerated ageing data. ERA has compiled the following statement based on their investigations:

Lotrak® geotextiles are manufactured, tested and marked under the EN standards, complying fully with the Construction Products Directive (CPD89/106/EEC). The tests performed for the CE Mark intended to assure a 25 year minimum lifetime. Also, Don & Low Ltd, with the assistance of an independent assessment, have examined the long-term effects of the following:*



Ultra-violet Light

Degradation initiated by ultra-violet light is only a factor during installation. Lotrak® products contain inhibitors to reduce the harmful impact of light over this period, and providing the material is covered following the manufacturer's installation guidelines, no significant reduction in strength is to be expected.



Mechanical Damage

All geotextiles may suffer damages during installation. Placing aggregate upon a fabric may damage it, but practising the correct installation practices, you can minimise costs. Installation guidelines are available from the manufacturer. No further long-term effects expected when installation instructions are followed.



This statement represents a summary of the findings following independent testing conducted by ERA Technology Ltd and does not stand as a warranty.



Biological Degradation

Tests carried out show no evidence of any biological degradation of Lotrak®.



Thermal Oxidation

Lotrak® grades contain stabilisers to protect the polypropylene from thermal oxidation in the soil.

When used as an earthworks separator, independent assessment* of current tensile strength data shows, considering degradation by thermal oxidation, Lotrak® should have a predicted service life over 100 years, when installed in accordance to the manufacturer's installation guidelines.

When used in reinforcing applications, geotextiles are subject to creep under load, and this should be taken into consideration when predicting the service life.

** Independent assessment & service life predictions conducted by ERA Technology Ltd.*



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