LOKSAND DURABILITY

Loksand fiber has been developed with a “Sport UV '' stabilization package for protection against degradation by sunlight when exposed and long-term oxidation when in use (or stored in original packaging).

Fiber durability will be affected predominantly by exposure to sunlight.

The Sport UV package ensures that fibers will retain 50% of their tensile strength (1) after exposure to approximately 200 kilolangleys of sunlight (2) – annual kilolangleys ratings are approximately 200-220 in Australia, 160-180 in Asia & Florida.

Loksand fiber will last, if exposed, approximately 5-7 months of outdoor exposure to reach 50% of original fiber strength.

Loksand fiber is predicted to be durable up to 100 years in covered soil profiles (3) if it has been correctly stored prior to use.

(1) BS EN ISO 5079 2020, Textile fibers — Determination of breaking force and elongation at break of individual fibers

(2) BS EN 14836 2018, Synthetic surfaces for OD sports Exposure to artificial weathering,

(3) natural soils with 4 ≤ pH ≤ 9 and soil temperatures ≤ 25° C based on the results of conditioning to BS EN ISO 13438 2018, Geosynthetics - screening test method for determining resistance to oxidation procedure A and test duration of 112 days and testing according to BS EN 5079 2020.

TECHNICAL MANAGER

2005