

Providing Sustainable Green Solutions for

Landscaping & Amenity



FIBRETURF



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Researched by the world famous Cranfield University, endorsed by the fire and rescue service and used extensively in fire access roads, car parking and pedestrianised areas throughout the world, Fibreturf is a proven system capable of repeatedly handling wheel loads of up to ten tonnes in severe weather conditions.

By our insistence on inert, environmentally safe components, and being virtually undetectable once installed, Fibreturf becomes the natural choice for environmentally sensitive projects where erosion through foot or vehicle use is a constant dilemma.

Due to Fibreturf having a negative carbon rating it is both environmentally friendly and helps to mitigate the carbon positive components of buildings.

Specially selected hard, clean sand from local sources gives the rootzone free-draining characteristics so that surface water resulting from heavy rainfall is quickly removed.

Rot-proof polymer fibres in the rootzone assist the growth of healthy grass through acting as conduits for air and water to a greater depth thereby drawing the roots downwards. Fertilisers, weedkillers and normal turf maintenance techniques have no adverse effect on the fibres. These properties contribute towards a genuine green amenity surface.

Organic material such as peat or compost acts as a nutrient source vital for healthy turf growth. It also provides a buffer against the effects of drought.

Grass is purely an aesthetic component – Fibreturf's immense strength is derived from the interaction of the sand grains and millions of fibres present in the surface, making Fibreturf capable of handling heavy traffic immediately after installation. This added strength and stability also allows Fibreturf rootzone to maintain steeper slopes and the fibres assist in resistance to erosion, allowing creative architects to exceed their normal design parameters and produce some stunning effects.

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Fibreturf is an ideal alternative for applications that need to be resistant to pedestrian or vehicular traffic wear yet do not warrant the cost of hard paved solutions such as asphalt or concrete. Unlike these materials, Fibreturf is easier and cheaper to install and can be easily modified once laid, or removed and reinstalled at another location, giving it unsurpassed flexibility and longevity in use.

Grassed areas adjacent to roads often suffer from rutting which can make them both unpleasant and hazardous to pedestrian and vehicular traffic in bad weather; Fibreturf is able to withstand heavier traffic loads, minimising such problems, and through its unique root mat reinforcement Fibreturf promotes grass recovery in high wear areas.

Fibreturf applications include road verges, green car parking, fire and emergency access roads, occasional vehicle routes, golf buggy tracks, pedestrian walkways and recreational areas.

Fibreturf is also able to provide a stable sub-surface for block paving, providing additional rootzone for the surface when grasscrete or similar is used. It also reduces the overall construction depth normally associated with block installations from 50 cm to 10-15 cm.

Fibreturf provides you with a "green" solution – reducing the amount of unsightly hard paving in the local environment, yet giving the natural turf sufficient strength to endure heavy use in the wettest of conditions.



CASE STUDY: Clifford Pier – Enhanced block paving systems

At Clifford Pier, the requirement was for a car parking surface using tegular blocks with Fibreturf infill and for sub-base reinforcement under conventional block paving. This has not only improved the strength of the surface but also enhanced the green aesthetic appearance of the construction.

At Clifford Pier 10 cm of Fibresand created a reinforced foundation, replacing the typical 50 cm sub-base construction of stone, gravel and sand. Considerable savings in time and materials were achieved.

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