

The Loksand Root Zone System has revolutionised grass and sand stabilisation for landscape architects across the UK. Its advanced fibre technology provides a grass surface that is stable & free-draining, with excellent strength enabling it to be used for a variety of applications that are frequently trafficked.

Loksand Rootzone Provides:

- A durable & stable natural grass surface
- Free draining
- High load-bearing capacity
- Excellent resistance to highly trafficked areas
- Eliminates tracking on new grass
- Easily transportable
- Simple to install
- Long life-span

Application:

Whether you are specifying a grass covered car park, access road or public area the Loksand system will provide a fully grassed solution that will remain durable and resistant to wear no matter how often it is used.

Typical Applications:

- Emergency and access roads
- Overspill car parks
- Golf course buggy routes and walkways
- Public recreation areas
- Verges & pedestrian walkways



The Loksand Rootzone system is a traditional sand and sand based substrate blended with polypropylene fibres. During the mixing process the crimped polypropylene fibres are entwined with the sand increasing the sand's overall strength and resistance.

The Loksand Rootzone system is applied above a Type 1 sub base layer then overlaid with turf to the specification of the project. As the turf becomes established the roots interlock with the Loksand Rootzone, further increasing stability and its cohesive strength.

The Loksand Rootzone system is fully compatible with Lindum Lokturf, a pre-grown turf with inbuilt polypropylene fibres providing excellent cohesive strength. The turf is less susceptible to divoting and compaction and will remain stable. Please contact a Green-tech technical sales advsor for more information.

Prior to application a number of considerations must be made to evaluate the quantity.



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Type of Sand	Plasticity Index (%)	CBR (%) Water Table more than 600mm	CBR (%) Water Ta-
Heavy Clay	70	2	1
	60	2	1.5
	50	2.5	2
	40	3	2
	Silty Clay	30	5
Sandy Clay	20	6	4
	10	7	5
Silt	-	2	1
Sandy (poorly graded)	Non-plastic	20	10
Sand (well graded)	Non-plastic	40	15
Well graded sandy gravel	Non-plastic	60	20

Sub-grade sand strength CBR% (table A)	Required Loksand Rootzone depth	Sub-base layer depth for light vehicles	Sub-base layer depth for HGV's
12% (light vehicles)	150mm	No sub-base	N/A
>12% (HGV's)	200mm	N/A	No sub-base
6-12%	200mm	No sub-bas	No sub-base
4-6%	200mm	100mm	150mm
2-4%	200mm	150mm	200mm
1-2%	200mm	250mm	350mm

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What is Loksand Rootzone?

The Loksand Rootzone system is a traditional sand and sand based substrate blended with polypropylene fibres. During the mixing process the crimped polypropylene fibres are entwined with the sand increasing the sand's overall strength and resistance.

Can I use Loksand rootzone with ordinary turf?

Yes, but the turf must be washed and most of the sand Removed, this is to allow the roots to intertwine into the Loksand fibres.

Can I seed into Loksand Rootzone

Yes, but we suggest applying a thin layer of 70/30 root zone on top of the Loksand.



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