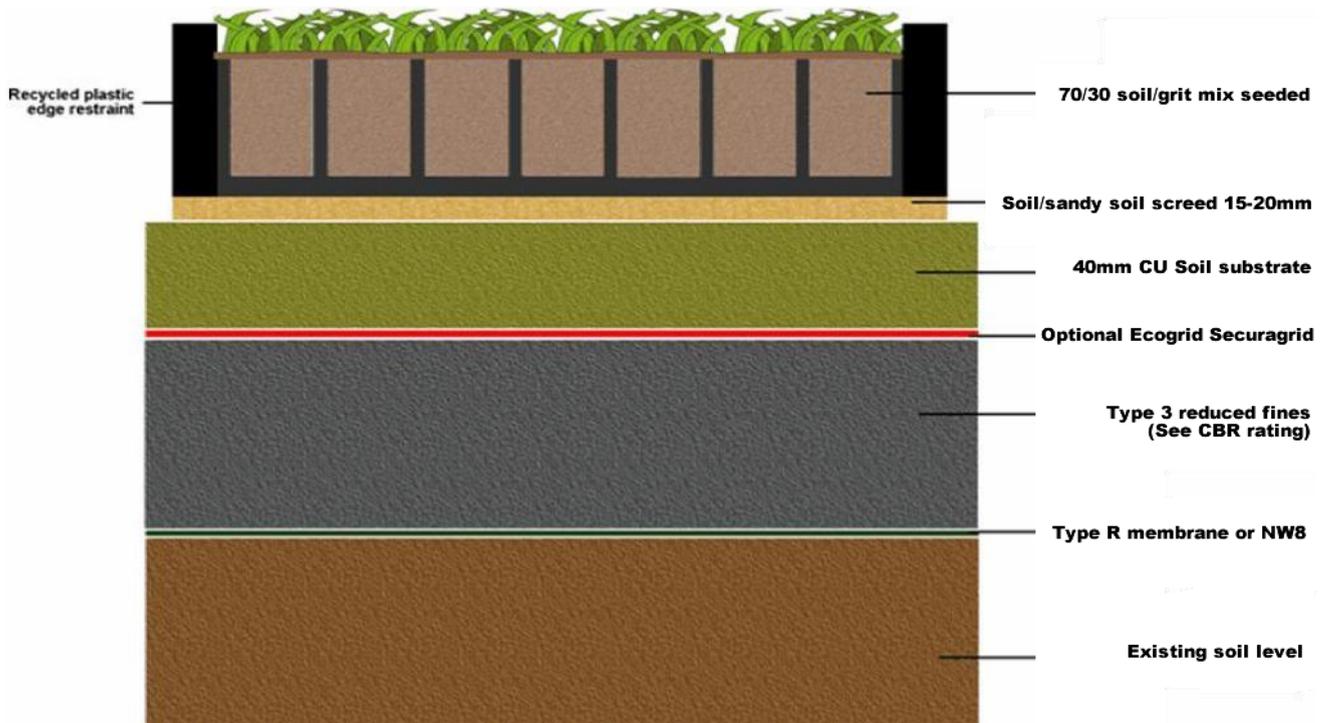


## Specification and design for Ecogrid grass fill



## Typical sub-base (Drainage layer requirements) Type 3

### Installation guidelines and explanations

Seed (Advisory)	20% festuca rubracom rodeo, 25% Festuca rubra trich dawson, 20% Festuca arundinacea mustang, 15% Lolium perenne langa, 20% Poa pratensis cynthia
Soil sand mix	A mixture of 70/30 sand and topsoil with seed mixed in
Sharp sand	Can be fine grit or 3-6mm fine gravel, deigned to bed the Ecogrid in and provide a cushioning layer. This should be raked level and compacted.
Growing substrate	An intensive mix of composted materials and highly absorbent materials.
Open grid	Only necessary in heavy trafficked scenarios where the grass seed mix should be harder wearing
Type 3	Drainage layer. This must have reduced fines 20mm stone down. Clean 15-20mm limestone can be used for this course if sourcing of Type 3 is difficult.
Permeable Membrane	This must have a minimum weight of 115g. Typar SF24 or NW8 with a cone drop efficiency of 45

Application load	CBR % strength of subgrade soil	DoT Sub-Base thickness (MM)
Fire trucks, coaches and occasional HGV access	>6	100
	=4<6	120
	=2<4	190
	=1<2	380

Light vehicle access and overspill car parking	>6 =4<6	100 100
--	---------	------------

	=2<4	135
	=1<2	260



**Field guidance for estimating sub-grade strengths**

Consistency	Indicator			Strength	
	Tactile (Feel)	Visual (Observation)	Mechanical (Test)	CBR	CU
			SPT	%	Kn/sqm
Very soft	Hand sample squeezes through fingers	Man standing will sink >75mm	<2	<1	<25
Soft	Easily moulded by finger pressure	Man walking sinks 50-70mm	2-4	Around 1	Around 25
Medium	Moulded by moderate finger pressure	Man walking sinks 25mm	4-8	1-2	25-40
Firm	Moulded by strong finger pressure	Utility truck ruts 10-25mm	8-15	2-4	40-75
Stiff	Cannot be moulded but can be indented by thumb	Loaded construction vehicle ruts by 25mm	15-30	4-6	75-150

**This table is to be used only as a guide. No responsibility is accepted by Ecogrid Ltd for any loss or damage.**

**Tips for installers**

Overlay a complete line of tiles to the finished surface on the top and cut to this edge, remove the cuts from under and lay the full edge

A Petrol driven power saw or electric angle grinder with diamond tipped or carborundum blades cut the grids the best. Always wear suitable eye and hand protection

Never fill the grids as you go as this may result in movement of your laying lines and difficulty later

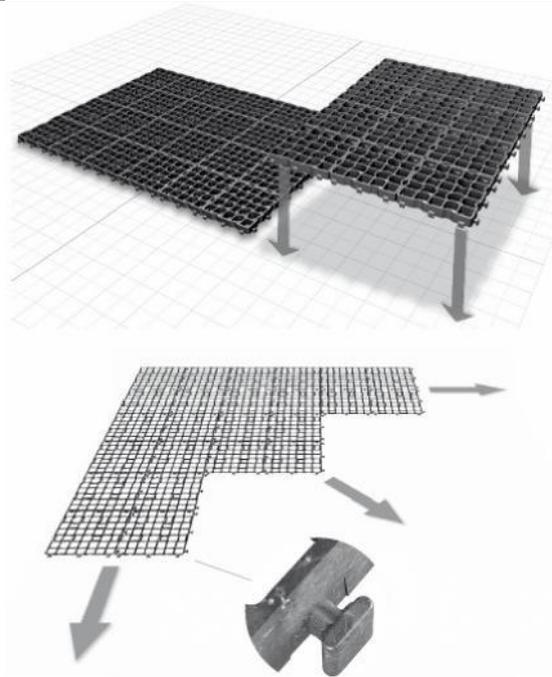
In hot weather fill the complete section swiftly. Overlay with stone

Leave a gap of 5mm between Ecogrid surfaces and any walls or hard edges to allow for expansion

**Tips for dismantling sections of Ecogrid**

The pre-connected sheets can be taken apart if necessary. Lay the sheet you wish to take apart on another sheet and using your foot, press the tiles you want to remove down and out of the safety locking system

Place a bar or broom handle under the row that is to remain in and press down on the edge to be removed.



<b>K (cm/s)</b>	10 <sup>2</sup>	10 <sup>1</sup>	10 <sup>0</sup> =1	10 <sup>-1</sup>	10 <sup>-2</sup>	10 <sup>-3</sup>	10 <sup>-4</sup>	10 <sup>-5</sup>	10 <sup>-6</sup>	10 <sup>-7</sup>	10 <sup>-8</sup>	10 <sup>-9</sup>	10 <sup>-10</sup>
<b>K (ft/day)</b>	10 <sup>5</sup>	10,000	1,000	10	10	1	0.	0.0	0.001	0.000	10 <sup>-5</sup>	10 <sup>-6</sup>	10 <sup>-7</sup>
<b>Relative Permeability</b>	0 Pervious				1 1 Semi-Pervious				1 Impervious				
<b>Aquifer</b>	Good					Poor				None			
<b>Un consolidated Sand &amp; Gravel</b>	Well Sorted Gravel	Well Sorted Sand or Sand & Gravel			Very Fine Sand, Silt, Loess, Loam								
<b>Unconsolidated Clay &amp; Organic</b>					Peat	Layered Clay			Fat / Weathered Clay				
<b>Consolidated Rocks</b>	Highly Fractured Rocks				Oil Reservoir Rocks			Fresh Sandstone	Fresh Limestone, Dolomite		Fresh Granite		



Ecogrid Paving, Unit 2 Glenmore Business Centre, Aerodrome Road, Gosport, Hampshire, PO13 0FJ  
 Tel: 01329 235252 Email: info@ecogridpaving.co.uk Web: www.ecogridpaving.co.uk  
 Company Registration: 07814823 VAT Number: 119 9143 03