

environmental solutions



grassconcrete



car parks

access roads

hardstandings

lay-bys

slope protection

river/storm channels

spillways

environmental paving solutions

Grass Concrete Limited's long history began with the invention of the now world-renowned GRASSCRETE paving system. Since then, our range has expanded to include pre-cast paving under the GRASSBLOCK and TRI-LOCK headings, together with our plastic GRASSROAD system.

Grass paving systems, with their natural draining characteristics, offer an ideal means of achieving a balanced Sustainable Urban Drainage System (SUDS), that can eliminate an otherwise costly drainage infrastructure.

This commitment to the environment doesn't end there; our product range includes many elements of recycled materials in both manufacture and on-site installation.

earth retaining

noise barrier

bulk storage

environmental walling solutions

Earth retaining walls don't have to be unsightly. Our BETOCONCEPT RANGE of dry-build concrete units offers a plantable solution that appeals to Engineers and Landscapers alike.

With a warranted structural design service, we can provide for structures up to 22 metres high in a range of colours.

In addition to the structural capability, our BETOCONCEPT systems are designated noise barriers, able to provide an aesthetic solution to road or rail-side noise.

Our walling range is completed by the BINWALL dry-build bulk storage system: an adaptable solution for quarries, waste transfer stations, builder's merchants etc.

paving types

paving types				TRAFFIC ENGINEERING		WATER ENGINEERING	
SYSTEM	TYPE	DEPTH	REINFORCEMENT	PREPARATION	MAX. GROSS VEHICLE LOAD/USE	PREPARATION	MAX. WATER FLOW RATE
grasscrete Cast on site – reinforced concrete	GC3	76mm	A142	100mm Type 1, 20mm Sand	3.40 tonnes*	} Trimmed earth subgrade – Sand blind – Geotextile (water flow)	4.5 metres/sec.
	GC3	76mm	A193	150mm Type 1, 20mm Sand	4.30 tonnes*		4.5 metres/sec.
	GC1	100mm	A193	150mm Type 1, 20mm Sand	10.80 tonnes*		6 metres/sec.
	GC1	100mm	A252	150mm Type 1, 20mm Sand	13.33 tonnes*		6 metres/sec.
	GC2	150mm	A252	150mm Type 1, 20mm Sand	30.00 tonnes*		8 metres/sec.
	GC2sc	150mm	A393	200mm Type 1, 20mm Sand	40.00 tonnes*		8 metres/sec.
grassblock Precast concrete	GB83	83mm	N/A	150mm Type 1, 20mm Sand	low intensity cars	} Trimmed earth subgrade – Sand blind – Geotextile (water flow)	N/A
	GB103	103mm	N/A	150mm Type 1, 20mm Sand	cars		4 metres/sec.
	GB125	125mm	N/A	150mm Type 1, 20mm Sand	cars/light commercials		4 metres/sec.
grassroad Plastic	–	32mm	N/A	150mm Type 1, 20mm Sand	occasional vehicle access/parking	N/A	N/A
tri-lock Interlocking precast concrete	4	90mm	N/A	N/A	N/A	} Trimmed earth subgrade – Sand blind – Geotextile	4 metres/sec.
	4	100mm	N/A	N/A	N/A		4.5 metres/sec.
	6	150mm	N/A	N/A	N/A		6 metres/sec.

*assumes an allowable ground bearing of 45 kN/m²

wall types

SYSTEM	MANUFACTURE	DIMENSION	FUNCTION	FACE ASPECT	COLOUR	MAX HEIGHT
betconcept						
betoflor	Pressed concrete	250 x 500 x 200	low height earth retaining and noise barriers	standard –22° plantable	grey, red, buff	2 metres
betatlas	Pressed concrete	500 x 5250 x 200	medium/high earth retaining and noise barriers	standard –15° plantable	grey, red, buff	10.6 metres
betotitan	Pressed concrete	1000 x 250 x 200 (variable)	high earth retaining and noise barriers	variable plantable or plain face	grey, red, buff	22 metres
leromur	Pressed concrete	1000 x 200 x 130 split to required width	earth retaining	variable split face	grey, red, buff	10 metres
betojard	Pressed concrete	250 x 500 x 200	noise barrier	vertical profiled	grey, red, buff	4 metres
binwall hd	Cast concrete	750 x 1500 x 400	bulk store walls	vertical	grey	4 metres braced 2 metres unbraced
binwall md	Cast concrete	400 x 800 x 400	bulk store walls	vertical	grey	2 metres braced 1.2 metres unbraced



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The GC Group

Please note that information is given in good faith, without warranty and subject to alteration without prior notice.

A full range of brochures and technical guides are available on request.