

CASE STUDY



Client:	Southend Borough Council
Location:	East Beach, Shoeburyness, Essex
Product:	GrassProtecta [®] (Heavy)
Application:	Grassed overflow car park (2,400m ²)



THE PROBLEM: The East Beach car park offers year-round parking for all visitors to East Beach itself and the associated amenities in Shoeburyness, Essex. The grassed overflow car park historically suffered with the problem of vehicles wearing away the grass and creating ruts, with the area becoming uneven, unsightly and generally muddy and unpleasant in both wet and dry conditions.

The Council required remedial action that would eliminate the existing problems, maintain a natural grassed finish and would be deemed as sympathetic to the natural coastal surroundings, visitors and local residence.

THE SOLUTION: GrassProtecta[®] (Heavy) was specified, as it met all the remedial requirements. Ruts were levelled with soil and then seeded, with the GrassProtecta[®] then being pinned to the surface with the supplied fixings. Additional gentrification work was also carried out on the site, creating a new and pleasant parking facility for the public to use.

The customer and contractor were impressed with the speedy product delivery and the included easy to follow instructions. The rolls were unwound and laid out to relax, then cut to size and pinned in position. The whole installation procedure was completed in a couple of days.



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CONCLUSION: With regular watering, the existing grass sward and the newly sown seed, established through the mesh within weeks, creating a strong intertwined surface layer ready for use. The customer was very pleased with the product quality and the final aesthetic finish of the car park surface.



PRODUCT SPECIFICATION:

PHYSICAL CHARACTERISTICS:		HEAVY 2kg/m ²
Structure		Oscillated
Polymer		HDPE (80% Virgin, 20% Recycled)
Colour		Green
UV Stabilised		Yes
NOMINAL DIMENSIONS:		
Roll Width		2m 1m
Roll Length		20m 10m
Roll Weight		80kg 20kg
Weight per liner metre		4kg 2kg
Weight per square metre		2kg/m ²
Thickness		14mm
Mesh Aperture (Diamond:Oval)		3:1 ratio
TECHNICAL CHARACTERISTICS:		
Measurement	Method	Results
Tensile strength (MD)	ISO 10319	16kN/m
Yield point elongation (MD)		35%
Residual thickness @ 500 kPa	ASTM D1621	60%
Slip risk PTV value	BS7976: 1-3	>40 (low slip)