

# JakMatGeocell

The ground stabilisation mat for car park & utility area construction

## CASE STUDY - DOC TONGARIRO TAUPO CONSERVANCY 02- 06-08

### HERWI SCHELTUS – LANDSCAPE ARCHITECT

#### Project

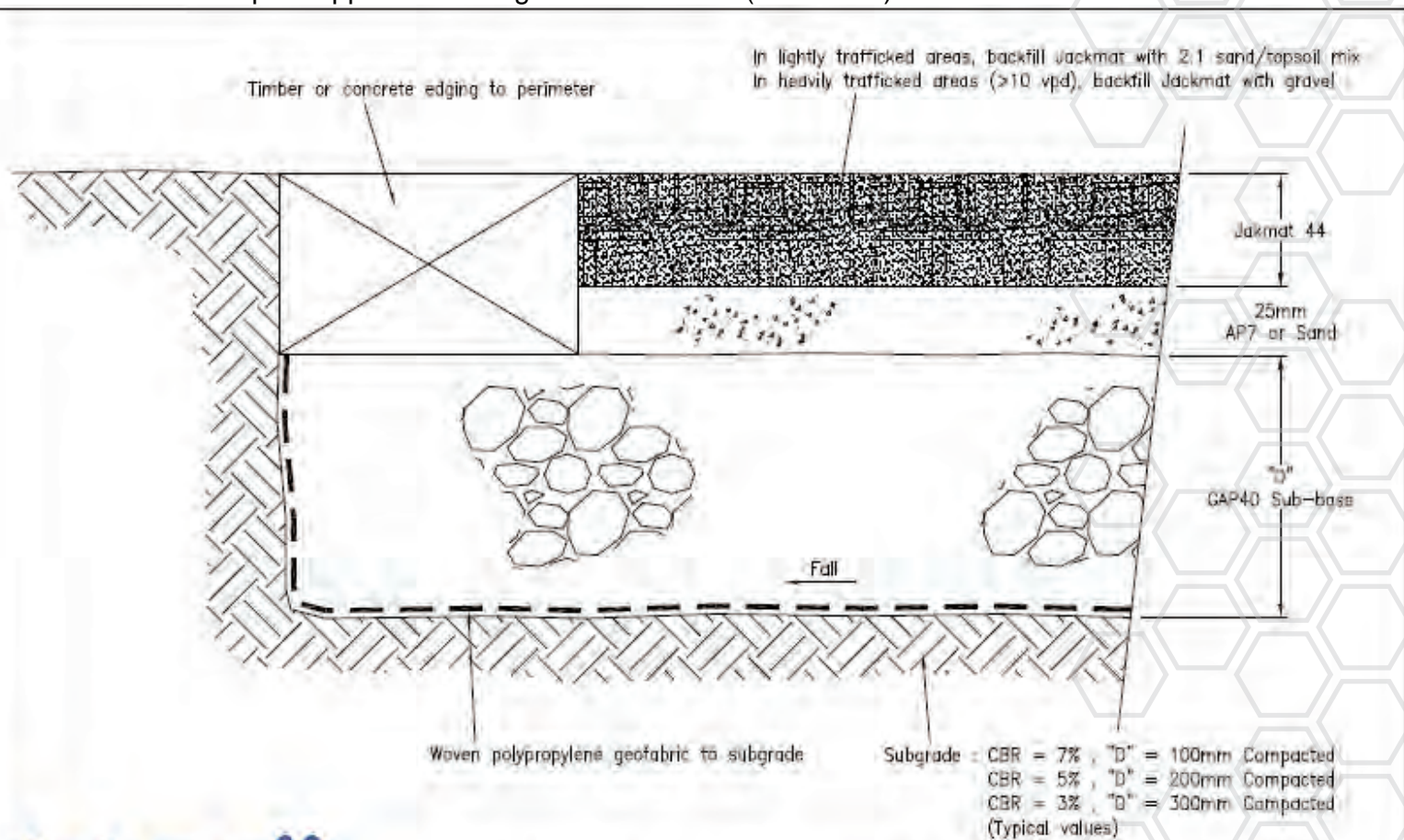
Tongariro Chateau Car Park

#### Car Park Background

This car park was put in 8 years ago using geocell mats and gives a good example of the potential and durability of JakMat Geocell for this application.

#### Construction Steps

Jakaar has commissioned a registered engineer to give his recommendation of construction for a car park application using JakMat Geocell (see below).



**Jakaar**  
Plastics Engineering

#### SAMPLE JAKMAT CARPARK PAVEMENT

NOTE : Each site to be specifically engineer designed

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## Summary

Load bearing tests have also been performed on the JakMat which show high weight bearing strength (see below).

Test: JakMat packed with GAP 7 aggregate and compacted by hand. A 200mm x 9mm carbons steel plate disc was loaded as follows:

1. Loaded to 3500kg/34.4KN – No Visual Change Observed.
2. Loaded to 12910kg/126.6KN – 1.55mm deflection Observed

The function of this case study format is to circulate information to those involved in the industry so as opinions and ideas can be viewed widely and assist others. Jakaar Industries Ltd is not actively involved in the laying of geocell product and hence does not have expertise in this area. We are plastic manufacturers involved in designing of plastic products to perform a particular function. The information in this sheet is to the best of our knowledge true and accurate and all instructions, recommendations and suggestions are made without guaranteeing. The product should be stored and handled observing good industrial work practice guidelines and regulations.

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