



SEPARATION KOKSTAD PRISON

CASE STUDY

CLIENT: Prison Services
CONSULTANT: Ninham Shand Inc.
CONTRACTOR: Concor

DATE: Nov 1998
QUANTITY: ? m²
PRODUCT: Kaymat U34

Kaymat U34 was used as a separation layer on sections of the site where poor insitu ground conditions meant that the good quality fill material would be contaminated. If the fill was contaminated, the fill would loose a percentage of its initial structural integrity which would result in increased layer thickness requirements. The nonwoven structure of **Kaymat U34** has a secondary function in that it also acts as a horizontal drainage layer, by shortening the drainage path and allowing the release of excess pore water pressure, compaction can be achieved with less compactive effort.

Kaymat U34 was recommended as a separation layer because the fill material was a sandy gravel, if rock fill had been used a thicker grade of geofabric would have been recommended (**Kaymat U44-U64**).



Separation Layer

Kaymat is the ideal product for separation applications as it combines high strength and conformability with excellent transverse throughflow characteristics