



KAYTECH
ENGINEERED FABRICS

ZINCOR CUT-OFF DRAIN

CASE STUDY

PROJECT:	Zincor, Springs	DATE:	August 2000
CLIENT:	Zinc Corporation	QUANTITY:	1500m
CONSULTANT:	Thuthuka Project Managers	PRODUCT:	Kaymat, Flownet, FLO-DRAIN & GEOPIPE
CONTRACTOR:	B Civil & Earthworks		



The drain comprised of a 2m high **DN3 Flownet** drainage core between a layer of **Kaymat U14** and a layer of LDPE 500 micron Hyperplastic geomembrane, with 100 dia **GEOPIPE** at the bottom.

Due to the hazardous nature of Zinc present in the water seeping through the soil out of the tailings dam, a **FLO-DRAIN** was manufactured specifically with a Hyperplastic geomembrane to serve as a complete cut-off drain to prevent the contamination of ground water in the surrounding area.



The trench was excavated through the ferricrete layer into the bedrock below to ensure interception of all seepage from the residue dump.

The **FLO-DRAIN** was affixed to the upstream face and the excavated material was backfilled and compacted in 200mm layers to ensure intimate contact of the **FLO-DRAIN** with the upstream face.