



ROTAFLEX CASE STUDY

GLASS FIBRE GRID

A87 Varragill to Portree Phase 3 Isle of Skye

The A87 at Varragill on the Isle Of Skye is all purpose single carriageway with approximately 2200 AADT and 5% HGV. Due to underlying peat the road was suffering from severe edge failure, significant cracking and longitudinal undulations giving a poor ride quality and unsafe driving conditions in some areas.

Scotland Transerv carried out the maintenance design incorporating Rotaflex 830 glass fibre pavement reinforcement system within the bituminous layers.

The existing road was overlaid with a base regulating course, Rotaflex 830, binder course and surface course.

26,000 square metres of Rotaflex 830 were supplied and laid by ABG Ltd, the surfacing layers were laid by Bardon Contracting.

Rotaflex was chosen due to the stiffening properties of the glass fibre, and waterproofing layer.



Rotaflex is installed using a K1-70 emulsion which bleeds through an integral polyester geotextile to ensure an excellent bond during installation with no movement during the paving process.

The use of K1-70 combined with the open aperture structure of Rotaflex also ensures an excellent long term bond between all bound layers maximising pavement design life.



ABG is the ISO9002 accredited company striving for the highest manufacturing standards and with a single target - the Civil Engineering market.



Certificate number 570

Our recent projects demonstrate the broad base of our activities in this market.