

# Asphalt Reinforcement with

# HaTelit® C

delays the reflection of cracks on the A-92 motorway  
in Riofrio, Granada (Spain)

# HUESKER

R E P O R T



In the summer of 1999 the road A-92 in Riofrio, Granada had to be resurfaced.

The method adopted to prolong the useful life of the new construction included the installation of HaTelit® C, a reinforcing polyester geogrid.

The right-hand carriageway comprised of a 200 mm concrete slab, surfaced with a 120 mm asphaltic layer.

The left-hand carriageway had a 150 mm flexible pavement. Fatigue due to thermal actions, settlement and traffic load had caused a visible range of cracks on the surface. In general there was a visibly progressive ageing of the surface evidenced by crocodile and reflective cracking.

At first a test was carried out in situ to verify the simple installation process of the HaTelit® C geogrid and evaluate its optimal adhesion to the asphalt layers.

Thanks to the succes of this test and the good adhesion results obtained from bore cores in the laboratory, 80,000 m<sup>2</sup> of HaTelit® C were installed.

The construction company SANDO S.A. carried out maintenance works on the pavement of the motorway. The project owner was GIASA and technical assistance was provided by TECOA S.L.



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REPORT



HaTelit® C is a flexible polyester grid incorporating an ultra-light nonwoven, also bitumen coated, which is applied to prevent reflective cracking.

For more than 30 years this HaTelit®, for pavement application has proved effective world wide.

Its function is to increase the tensile resistance of the surface layer and to guarantee the uniform distribution of the horizontal stresses resulting from vertical loading over a large surface area.

A motorway reinforced with HaTelit® C will last for many years without cracking.



HaTelit® is a registered trademark of HUESKER Synthetic GmbH.

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