

3rd INTERNATIONAL CONFERENCE
BITUMINOUS MIXTURES AND PAVEMENT
Thessaloniki, Greece 21-22 November 2002

**EVALUATION OF 20 YEARS EXPERIENCE WITH ASPHALT
REINFORCEMENT USING GEOGRIDS.**

B.G.J. Uijting

Area Manager W&S Europe, Tensar International Ltd, NL

C.G. Jenner

Chief Civil Engineer, Tensar International Ltd, UK

A.J.T. Gilchrist

Product Manager Asphalt reinforcement, Tensar International Ltd., UK

ABSTRACT

Asphalt reinforcement using stiff polymer grids has reached a worldwide experience of 20 years now. Successful applications have been achieved in various applications as roads, highways and airports in all weather conditions from Arctic to Middle East. This paper examines recent evaluations on long-term performance of asphalt reinforcement in increasing the life of a pavement and reducing maintenance. Especially, the geogrid performance based on interlocking has proven to follow full-scale laboratory testing in the 1980's. Examples of evaluations in various countries and conditions are given and recommendations regarding the successful application are mentioned

KEY WORDS: pavements, asphalt reinforcements, geogrids, interlocking, performance