

GEOSYNTHETICS ASPHALT PAVEMENT FABRICS

UV stabilised, needlepunched nonwoven geotextiles, with or without fibreglass mesh, designed to provide:

- Sealing
- Bonding
- Stress Relief
- Reinforcement



IMPROVED ASPHALT PAVING, REDUCING MOISTURE AND CRACKING

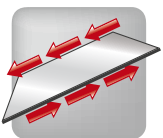
Thrace NG Asphalt Pavement Fabrics are mainly used in asphalt overlay applications, **acting as moisture barriers** and **delaying the formation of reflective cracking**. They feature **optimum bitumen retention**, enhanced mechanical properties and are available in a **wide range of dimensions** upon client's request. When additional reinforcement is needed, composite glass fiber with nonwoven geotextile is used.

FUNCTIONS SERVED BY THRACE NG ASPHALT PAVEMENT FABRICS



SEALING

The bitumen retention capacity of the geotextile **prevents the passage of oxygen** into the pavement structure by forming an **air impermeable seal**.



BONDING

The geotextile series **acts as a bonding surface** for both the old road surface and the new asphalt overlay.



STRESS RELIEF

The geotextile allows for the **delayed progress of differential stresses** between the new asphaltic overlay and the old road surface. This translates to **reduced reflective cracking and crack propagation** between old and new road surfaces.



REINFORCEMENT

Composites consisting of geotextile fabric reinforced with fibre glass strand mesh **offer higher tensile strengths and low elongations** thus contributing to better **crack control and longer lifespan**.



www.thracegroup.com

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