

Stress Relief Function

Geosynthetic acts as a stress relief element of the bituminous paving, thanks to the interaction between the geosynthetic and the different asphalt layers, the infrastructure service life can be increased avoiding cracks or deformation propagation.

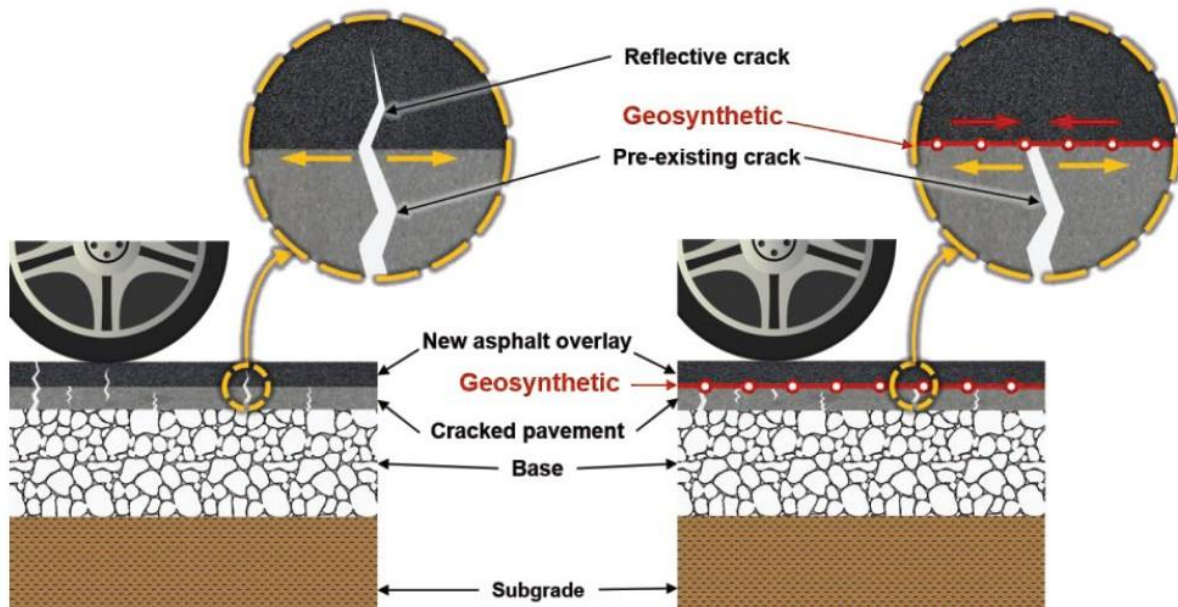


Image: Stress Relief Function (Zornberg, 2017)

The above definitions are stated within the South African context.

Refer to ISO 10318:2018: Geosynthetics – Terms and definitions for formal definitions.

IGS Reference.

Zornberg, J.G., 2017. Functions and applications of geosynthetics in roadways. Procedia engineering, 189, pp.298-306