

Tensor PF 1.1 Paving Fabric Model Specification

Asphalt interlayer and bond coat – material and installation

The asphalt interlayer shall consist of a non-woven needle punched geotextile paving fabric. It shall be manufactured in accordance to ISO 9001:2008 and be delivered in a protective sleeve to prevent water ingress and protect it from weather. Product: e.g. Tensor PF 1.1 or equivalent alternative

Functions (according EN 15381): **interlayer barrier, stress absorbing**

Required characteristics for interlayer barrier and stress absorbing function (SAMI):

- Bitumen retention (according EN 15381): 1,1 kg/m² (±0,1 kg/m²)
- Weight of paving fabric: 130 g/m²

Further product characteristics:

- Strength (according ISO 10319) MD/CMD: 7,5 / 9 kN/m
- Strain at failure (according ISO 10319) MD/CMD: 70 / 70 %
- Polymer: PP
- Colour: grey

The paving fabric must be laid in accordance with the manufacturer instructions.

- The material must be installed by experienced, qualified personal.
- The prepared clean, even and dry surface which is to receive the treatment should be accepted and recorded by an engineer before spraying the bond coat.
- The bitumen bond coat (hot sprayed bitumen or bitumen emulsion) must be applied in dry conditions at a controlled uniform spray rate with a residual bitumen content of ≥1.1kg/m². Note: An emulsion containing 70% residual bitumen (minimum is 65% bitumen content, no cut back bitumen`s), shall require an initial spray rate of about 1.6 kg/m² to achieve a residual bitumen content of 1.1kg/m².
- The composite grid should be applied directly on the freshly laid bitumen bond coat.
- The bitumen bond coat shall be completely cured before paving.
- Minimum asphalt overlay should be 40mm in a single compacted lift (if not used under a double surface dressing).

In case of alternative products these shall be named and a proof for the specified functions and equal performance must be delivered within the submission.

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