

Installation Guideline for Glasstex[®]Patch 660 and 880 Asphalt Interlayer

Scope

This installation guideline is intended for the reinforcement and sealing of asphalt surfacing courses using Tensar Glasstex[®]Patch 660 and 880 asphalt interlayer products. Tensar GlasstexPatch products are composites consisting of a glass yarn grid integrated with a bitumen membrane. The underside of the GlasstexPatch product is covered with a peel-off foil which provides protection until installation, while the upper surface is covered with a quartz sand.

Tensar GlasstexPatch provides stress relief and moisture barrier functions in accordance with EN 15381 due to the continuous bitumen membrane over the cracked substrate, plus a reinforcement function provided by the high tensile modulus glass yarn grid. The bitumen membrane assists the product to bond to the substrate.

Storage and transport

The rolls should not be stacked or subjected to any loading. The rolls must be stored standing upright on end and should not lean against each other. Finally, the rolls must be protected from sun exposure, moisture, and rain.

Preparation of the surface

- Finely milled asphalt or concrete are suitable surfaces for installation.
- The surface must be dry, free of loose materials, dust, and vegetation.
- Potholes and voids due to local failure of the asphalt should be filled with suitable patching material.
- Cracks with an opening exceeding 5mm should be filled with a suitable sealant.

Tack Coat Application

A tack coat is recommended on poorly adhesive substrates, such as smooth concrete or aged asphalt.

If a tack coat is specified, it is recommended to install Tensar GlasstexPatch onto the tack coat only after the tack coat is fully cured (to avoid trapping water).

Use a standard tack coat binder and spray rate with residual bitumen content of 200-300g/m² on even surfaces, which should be increased to 300-400 g/m² on milled surfaces.

Installation of Tensar GlasstexPatch asphalt interlayer

- Do not carry out installation of Tensar Glasstex[®]Patch products in the rain or when heavy rain is expected.
- The product must be unrolled; centered along the crack or joint.
- The product is laid by hand; peeling away the backing foil while unrolling.
- The underside of the bitumen membrane needs to be softened while unrolling by heating with a hot air gun (Figure 1). This will ensure complete adhesion, particularly on milled or roughened substrate and in cold weather.
- Light pressure from a broom, is required immediately after unrolling the product. It is imperative for performance that the product is uniformly bonded to the substrate.
- Longitudinal and transversal joints need to be overlapped; overlap width should be 50-100mm. Ensure the overlaps are layered in the direction of paving to ensure that the overlap cannot be lifted during paving.



Figure 1 Heating the membrane whilst removing the backing foil

Trafficking

Trafficking must be limited to only the very necessary construction vehicles and equipment before overlaying with asphalt.

Paving

- The installed interlayer needs to be dry before paving.
- Paving with asphalt should take place on the same day as the GlasstexPatch interlayer installation.
- Minimum thickness of the initial asphalt overlay must be 40mm.



Figure 2 Paving over installed GlasstexPatch Asphalt Interlay

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Tensar International Limited

Tel: +44 (0) 1254 262431
 Fax: +44 (0) 1254 266867
 E-mail: sales@tensar.co.uk
www.tensar-international.com

UK Head Office

Units 2-4 Cunningham Court
 Shadsworth Business Park
 Blackburn
 BB1 2QX
 United Kingdom



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