



TerraStop Paving Fabrics used to Reinforce Chip Seals

TerraStop Paving Fabric TS-P1 and TS-P2 are made from Polyester spun bonded continuous fibres, mechanically bonded by needle punching: They are specifically manufactured for pavement application such as spray sealing and asphalt resurfacing. All rolls come in continuous lengths up to 300m to minimise installation delays and plastic cores to avoid collapse due to handling and moisture. They are:

- * Flexible to conform to the surface.
- * Have isotropic properties to resist forces in all directions.
- * Have good absorption properties so when saturated with bitumen they form a waterproof barrier.
- * Have high tear and puncture properties to resist damage from stone chips.
- * Resistant to hydrocarbons present in bitumen.
- * Have melting temperatures greater than 200°C to withstand the high temperatures of asphalts and tack coats.

TS-P1 is recommended for use on existing pavements while TS-P2 on new, soft or clay pavements. Typical sequences of events are:

- * Prepare surface. Cracks wider than 5mm should be filled with rubberised bitumen. Larger holes and cracks should be patched with suitable slurry.
- * Damaged or rutted pavement should be removed or repaired to ensure adequate bonding between the existing pavement and the paving fabric.
- * Dirt, water, grease and loose material should be removed.
- * Placement of adequate tack coat evenly distributed.
- * Installation of the TerraStop Paving Fabric by experienced operator using purpose built dispenser attached to loader, multi-wheel roller or similar plant to ensure wrinkle free placement. Wrinkles >25mm should be removed by cutting. Joins should be butted or overlapped 150mm. If overlapped additional bitumen is required.
- * Paving fabric is rolled with 4 passes using a multi-wheel roller.
- * Chip seal or asphaltic concrete overlay is placed. In the case of the chip seal, a predetermined binder coat of bitumen is placed followed by the chip seal. For Asphaltic concrete, it is placed directly on the Paving Fabric.
- * Rolling of the wearing surface using multi-tyred roller.