

DUX Asphalt Grid Installation Guide



A summary of the key installation steps for the installation of DUX grid

1. Surface Preparation

DUX Asphalt Grid must always be installed between two asphalt (AC) (bituminous layers). Ensure the surface is clean, dry and free of any loose material. Cracks of 5mm should be treated with a crack sealant. A very uneven AC sub-layer must be milled. Milled surfaces should not present channels deeper than 10mm. If existing AC is very uneven then an AC regulation layer may be required prior to installing DUX grid.

2. Tack-coat Spraying

A 70% cationic emulsion should be evenly applied at a rate of 0.6L/sqm to ensure a good bond of the DUX grid to the AC.

3. Tack-coat “break”

Allow the tack coat to completely “break”, allowing all the solvent and water to evaporate.

4. Laying the Grid

DUX grid may be installed either manually or with a purpose-built lay-down frame. DUX grid must be unrolled in straight lines. Skid-steer loaders are not recommended. Any creases or folds must be removed.

5. Joints/overlaps

In the cross direction 150mm and in the length direction 250mm. The end of the roll always being placed over the beginning of the next, ensuring the overlap is not lifted during the covering operation. All overlaps must be treated with bitumen emulsion, to ensure there are no dry joints.

6. Bends and Curves

On curves DUX grid is cut to lengths and manually laid with overlaps.

7. Trafficking the Grid

The grid-covered surface should not carry normal road traffic until the asphalt overlay has been placed. When DUX is trafficked by vehicles during construction avoid sharp turns, rapid changes in speed and hard braking.

8. Asphalt Overlay

DUX Asphalt Grid must be covered by minimum 40mm compacted asphalt thickness.



Asphalt Grid Installation Machine