GLASGRID®
PAVEMENT REINFORCEMENT SYSTEM

Pavement Reinforcement Mesh

Installation Procedures for CompoGrid Systems

The following are general guidelines to ensure a successful installation of CG50 and CG100. For each specific project, a construction engineer will provide exact specifications for installation.

Surface Preparations

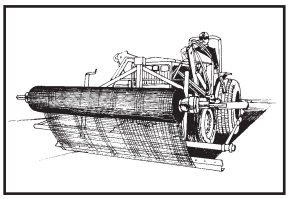
- As directed by an engineer, repair potholes, cracks greater than 6mm* (¼ in.**), badly damaged or rough pavement that may require milling and the placement of a leveling course.
- Pavement **must** be free of dirt, water, oil and other foreign materials. Broom or air clean the surface so it is clean and dust-free.
- Apply tack coat uniformly over the prepared asphaltic concrete surface at a residual rate of 0.9–1.36 litres/m² (0.2–0.3 gal/yd²) using a calibrated distributor truck, ensuring that the application rate remains constant. The tack shall contain a minimum of 70% solids.

Road Surface Condition

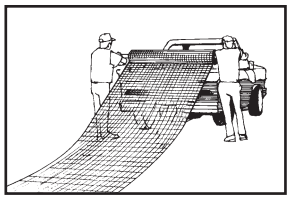
- The road **must** be dry. Do not install CG50 or CG100 during any precipitation.
- The road surface temperature must be between 5°C (40°F) and 60°C (140°F). On asphalt surfaces less than 24 hours old, the surface temperature shall be between 5°C and 46°C (40°F and 110°F).

CG Placement Method

- Place the CG system while the tack coat is still tacky/broken. Use a mechanical placement tractor or place manually.
- Keep the material flat and wrinkle free. Installation may require hand brooming. For sharp curves, cut edges and fold over in the direction of the placement of asphalt overlay.
- Overlaps **must** be a minimum 25mm (1 in.) to ensure a continuous moisture barrier.



Fabric Tractor



Manual Placement Procedure

Paving Method

1. Pave with hot mix overlay.
2. Asphalt overlay must be a minimum of 50mm (2 in.) compacted thickness.
3. All of the CG system must be paved over on the day of placement.

Important Issues

1. Because glass is a skin irritant, workers shall wear gloves while handling CG.
2. To cut CG to the desired length, lay it over ironworks, roll and then cut using a sharp utility knife.
3. CG **must** be applied so that the material lies flat on the road surface with no ripples. Providing sufficient tension during application will eliminate ripples.
4. Overlap all end roll joints 75–150mm (3 in.–6 in.). Ensure that the overlaps are shingled in the direction of paving and that these overlaps also receive an application of tack.
5. Overlap longitudinal joints 25–50mm (1 in.–2 in.).
6. To maximize product performance, only construction and emergency vehicles shall be allowed to drive on the CG.

These directions are a brief guide to installation. For complete directions, consult with your CG distributor.

*All metric values are nominal. **All imperial values are approximate.

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