

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

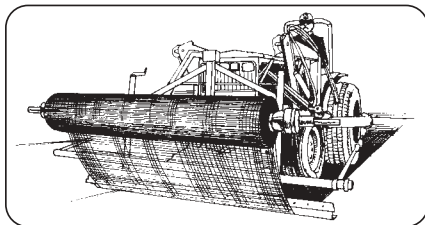
- As directed by an engineer, repair potholes, cracks greater than 6mm* (1/4"**) , badly damaged or rough pavement that may require milling and the placement of a leveling course.
- Pavement **must** be free of dirt, water, oil and other foreign materials. Broom or air clean the surface so it is clean and dust-free.
- Apply tack coat on asphalt cement.
- Apply uniformly 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 stays steady. The residual tack must be at least 70%.
- The tack coat area **must** be a minimum of 75 mm (3") wider than the CG system.

Road Surface Condition

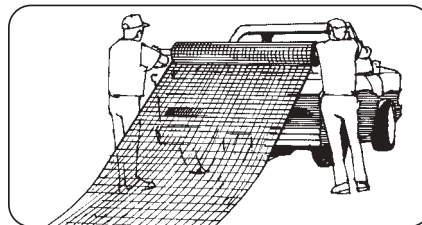
- The road **must** be dry. Do not install CG50 or CG100 when it is raining.
- The road surface temperature **must** be between 5°C (40°F) and 60°C (140°F). On asphalt surfaces less than 24 hours old, the surface temperature should be between 5°C and 46°C (40°F and 110°F).

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") 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") 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, we recommend that workers **must** wear gloves while handling CG.
2. To cut CG to 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 75-150 mm (3"-6"). Ensure that the overlaps are shingled in the direction of paving and that these overlaps also receive an application of tack.
5. Overlap side joints 25-50 mm (1"-2").
6. To maximize product performance, only construction vehicles should be allowed to drive on the CG.

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

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U.S. Patent 4699542/4957390/5110627/5393559. Canadian Patent 1240873.
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* All metric values are nominal.

** All imperial values are approximate.