

Fibreglass Grating Installation & Maintenance Guide



50mm thick grating for heavy vehicle inspection pit at RAF Marham.

A successful and long lasting grating installation depends on several, simple to understand factors. Firstly you should select the correct thickness of grating depending on your loading requirement. For most installations this means normal pedestrian traffic up to 1 metre wide. In this case, our standard 25mm thick grating will suffice. For greater spans and increased loading, such as vehicles driving over the grating, you will need to consider our 38mm thick heavy-duty grating or even our ultimate high-strength 50mm thick grating. If you are in doubt please call for further advice.

Anglia Composites fibreglass grating has a minimum service life of 30 years. We recommend the use of self-adhesive waterproof labels stating the date of installation. These are available at a nominal charge for retrospective installations and free of charge at the time of ordering gratings for new installations.

Fixings

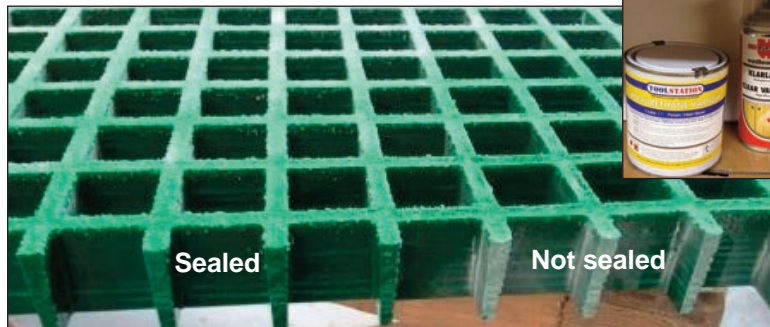
We recommend an expansion and contraction allowance of 2mm around all edges. Our fixing clips are designed to allow slight movement even when fully tightened. Do not over tighten nuts and bolts during installation. Use 'M' clips for fixing panels of grating down. Use 'G' clamps to join panels together where there is no support.



25mm thick drainage gully grating for Anglian Water.



Sealing Cut Ends



All cut ends should be sealed at time of installation. This is to prevent moisture ingress. **Any gratings you require can be cut and sealed free of charge by Anglia Composites.** Use a good quality external grade clear varnish based on polyurethane. Sealants can be supplied by Anglia Composites. For on-site cutting it is possible to cut the gratings with an angle grinder or a hard metal jigsaw blade.

Damaged Gratings



Damaged gratings should be removed and replaced immediately. Damage can occur with the impact of a heavy object or during transportation. If you can see exposed glass fibres, replace grating section at once. Gratings should be inspected every 2 years for pedestrian grating and on an annual basis for vehicle access gratings.

Cut Outs

Cut outs can be performed but additional support may be required. Check deflection after cutting. It should be no greater than 1/100th of the width.

