

Standard Mesh GRP Grating

Inspection and Maintenance Guidance

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Scope

Moulded open-mesh GRP grating sold by GRP Express. Confirm the exact resin, depth, surface and support arrangement before applying project-specific advice.

Set the inspection frequency

There is no single interval suitable for every installation. The responsible person should set and record a risk-based frequency that reflects usage, traffic, consequence of failure, access, contamination, UV, temperature, moisture, marine or wastewater exposure, chemicals, impact, abrasion, vibration and known site events. Inspect after an impact, overload, fire, chemical spill, support alteration or other event that could have affected performance.

What to check

- Grit loss, polishing or contamination that may reduce slip resistance.
- Cracking, delamination, exposed fibres, impact damage or local crushing.
- Excessive movement or deflection, particularly at panel edges and supports.
- Loose, missing, incompatible or corroded clips, bolts and washers.
- Blocked mesh apertures or debris that prevents drainage.
- Damaged or unsealed cut edges and unauthorised site modifications.
- Support corrosion, movement, settlement or changes to the original span.
- Discolouration, resin erosion or surface change after UV or chemical exposure.

Cleaning

Remove loose debris without damaging the grit. Wash with water and, where needed, a mild detergent compatible with the documented resin system. Rinse thoroughly. Do not use an unverified solvent, strong oxidiser, abrasive method or pressure that exposes fibres or removes the anti-slip surface.

When to isolate and request technical review

Restrict access or unload the affected area where condition or movement could present a risk. Seek competent technical review for cracks, delamination, exposed fibres, significant grit loss, abnormal deflection, damaged supports, repeated fixing movement, chemical attack, heat or fire exposure, or any change to loads, spans or application. Do not disguise damage with paint, filler or an unverified repair.

Records and replacement

Record location, product identification, date, conditions, photographs, findings, action, replacement parts and reviewer. Replace damaged or unserviceable parts only with a confirmed compatible specification. Retain order documents, drawings, revisions and any guarantee terms that applied on the order date.

Important limitations

This is general inspection and cleaning guidance. It is not a structural assessment, design verification, guarantee or statement of service life. Exact requirements may differ by manufacturer, resin system, fixing system, installation and exposure. For product-specific support contact support@grpexpress.co.uk. Engineered project-life and structural assessments should be referred to Vital GRP.