

Mini Mesh GRP Grating

Inspection and Maintenance Guidance

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Scope

Reduced-aperture moulded GRP grating sold by GRP Express. Confirm depth, aperture, resin, surface and support arrangement for the exact product.

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

- Contamination, polishing and local grit loss affecting slip resistance.
- Blocked small apertures, retained debris or standing water.
- Cracks, delamination, exposed fibres, impact damage or local crushing.
- Movement, rocking or deflection at supports and panel joints.
- Loose, missing, incompatible or corroded fixings and clips.
- Damaged cut edges, poorly positioned cuts or unapproved drilling.
- Changes to supports, spans, imposed loads or traffic conditions.
- Evidence of chemical attack, resin erosion or abnormal UV degradation.

Cleaning

Clear apertures using non-damaging tools. Wash with water and a mild detergent confirmed compatible with the resin system, then rinse. Avoid harsh solvents, wire brushes, aggressive blasting and cleaning pressures that may damage the grit or laminate.

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.