

GRP Grating Fixings & Accessories

Inspection and Maintenance Guidance

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Scope

Clips, bolts, washers and related accessories supplied for compatible GRP grating. Confirm material, size, location, substrate and installation detail for the exact assembly.

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

- Loose, missing, deformed, incompatible or incorrectly positioned components.
- Corrosion, staining, thread damage, seizure or loss of section.
- Movement at panel edges, panel-to-panel joints and supports.
- Crushing, cracking or local damage to GRP around the fixing point.
- Changes to substrate condition, support geometry or environmental exposure.
- Evidence of galvanic or chemical incompatibility with adjacent materials.
- Unapproved substitutions, mixed fixing systems or altered hole sizes.
- Missing records needed to identify the installed fixing type and material.

Cleaning

Remove debris and deposits without loosening the assembly or damaging protective finishes. Use only cleaning products compatible with every material in the connection. Do not apply lubricant, coating or chemical treatment unless approved for the exact fixing system.

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.