

FRP grating

Define exposure before selecting a panel.

01 Scope

Use this guide for molded FRP grating RFQs and the existing trench-cover, washdown and tree-grate selection routes. Describe the environment, panel geometry and support before asking for a quotation. Application names are not proof of suitability. [1, 2]

02 Known website options - confirm in the RFQ

Geometry	Thickness, mesh size, panel size and cutouts are confirmed together with clear span and support direction. [1]
Resin and exposure	Resin and color are project-confirmation items. Supply chemical exposure, concentration, temperature, cleaning cycle and UV or marine conditions as relevant. [1, 2]
Surface	Concave, gritted and covered-top surfaces are listed options for review against wetness, cleaning and walking conditions. No slip rating is supplied. [1, 2]
Fabrication and packing	Cut-to-size panels, edge condition, clips, panel marks and packing groups require drawing confirmation. [1]

03 Existing RFQ examples - not verified stock

38 x 38 x 38 mm FRP	Existing molded FRP RFQ shorthand. Confirm depth and mesh definitions separately; it is not a rated span. [1]
50 x 50 x 50 mm FRP	Existing molded FRP RFQ shorthand. Confirm actual panel geometry and support before selection. [1]
Gritted surface panel	Existing surface expression. Required slip evidence, if any, must be requested separately. [1]
Resin/color option	Existing RFQ expression, not a named resin grade, chemical compatibility guarantee or verified stock color. [1]

Examples, not a released specification

All examples are existing website RFQ shorthand, not verified stock. Availability, dimensions, suitability and documentation require written confirmation. No new load ratings, certifications or project claims are added.

FRP grating

Drawing & document review

04 Approved drawing checklist - complete before release

Buyer / engineer to complete: identify the drawing number, revision and approving party. These are review fields, not evidence that a drawing is already approved.

Exposure and use	State application, traffic, chemicals, concentration, temperature, cleaning, UV and marine exposure where relevant. [1, 2]
Panel geometry	Show thickness, mesh, panel dimensions, cutouts, edge condition and panel marks. Clarify nominal shorthand against actual dimensions. [1]
Support and load inputs	Show clear span, supports, direction and project load condition; request exact-series load and deflection evidence rather than a generic panel label. [1, 3, 4]
Resin, surface and clips	Record the agreed resin, color, surface, fixing clips and any required property evidence. Do not infer approval from surface appearance. [1, 2]
Order and release	Confirm quantity, destination, packing marks and the drawing revision; resolve open technical items before supply approval. [1]

05 Document status and evidence boundary

Anonymous benchmark [3, 4]	The existing FRP benchmark record and longer FRP document use anonymous external benchmark A, with identity retained internally. The public documents do not independently identify that source. They are not a QY test report or QY laboratory test certificate.
Exact-series evidence	Do not transfer benchmark values to an offered panel. Request traceable QY/supplier evidence or documented exact-series equivalence and project approval. This guide reproduces no benchmark values and makes no load, fire, slip or chemical-resistance certification claim. [3, 4]

06 Sources

Existing public URLs; content reviewed from saved local records, not live revalidated.

[1] Molded FRP Grating

<https://qymetaltech.com/molded-frp-grating/>

[2] FRP Grating Selection Guide

<https://qymetaltech.com/resources/frp-grating-selection-guide/>

[3] Existing anonymous FRP benchmark - status only

<https://qymetaltech.com/wp-content/uploads/2026/07/qymt-frp-38mm-public-load-benchmark-record.pdf>

[4] Existing FRP products and tables - status only

<https://qymetaltech.com/wp-content/uploads/2026/07/qymt-molded-frp-products-load-tables-complete.pdf>