

A manufacturer of quality fiberglass manufacturer since 1983, Yeungs has leading product and industry experience you can solidly depend on.

Engineers, architects, contractors and remodelers have trusted and specified DURAGRAT for years - and our reputation keeps earning us valuable customers like you.

DuraRAIL® fiberglass handrails are industrial/commercial railing systems for stair rails, platform/walkway handrails and guardrails. DuraRAIL® systems are fabricated from pultruded fiberglass components produced by molded thermoplastic connectors. DuraRAIL® systems are particularly well-suited to corrosive environments like those found in industrial, chemical and wastewater treatment plants as well as commercial structures with urban and salt air corrosion.



ROUND HANDRAIL SYSTEM
100mmH GRP kickplate is available on request

Fiberglass Handrail System Advantages

DuraRAIL® is the result of more than 20 years of experience in the manufacture, design and fabrication of fiberglass handrail systems. DuraRAIL® systems offer these advantages:

Ease of Assembly

DuraRAIL® is produced in lightweight standard sections that include both post and rail. Systems can be prefabricated in large sections and shipped to the site or fabricated and installed on-site with simple carpenter tools.

Internal Connection System

All connections fit flush, resulting in a pleasing, streamlined appearance. The internal connections allow the construction of continuous handrail systems without special fittings.

Safety Features

DuraRAIL® comes in a "safety yellow colour" with electrical low conductivity for worker safety and exhibits high strength. The systems meet Hong Kong Labour Safety and Health standards with a safety factor of 2.

Low Maintenance

Molded-in colour plus an optional tough polyurethane coating will outlast aluminum or steel systems and requires virtually no maintenance.

Cost Effective

Fiberglass components and an easy-to-assemble design provide savings on labor and maintenance, resulting in long-term savings and eliminating the cost and inconvenience of "downtime for repairs" in plant operations.

CONNECTOR AND ACCESSORIES



Legend

1. 4-way Connector
2. Base Unit bolt to Ground
3. 3-way Connector
4. 2-way Connector (Straight)
5. 2-way Connector (90 deg. Bend)

MECHANICAL PROPERTIES

TEST DESCRIPTION	RESULT
Tensile Strength	171 N/mm ²
Elongation	1.8 %
Tensile Modulus	12600 N/mm ²
Compressive Strength	102 N/mm ²
Flexural Strength	250 N/mm ²
Flexural Modulus	12810 N/mm ²
Interlaminar Shear Strength	18.5 N/mm ²

Tested to British Standards BS 2782