

	FRP/GRP HAND RAILING	DATE : 2023.05.17
		REF. : SPC/DYNARAIL
PROJECT GENERIC SPECIFICATIONS	TITLE STONGRATE HAND RAILING SYSTEM	REV. : 2
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- Supplier** - StonCor Africa (Pty) Ltd
- Resin System** - ISOFR – The resin formulation is designed for industrial and chemical processing applications where corrosion resistance is important.
- Manufacture Method** - Pultruded, with a 35% resin to 65% fibreglass ratio.
- Mounting Method** - Side Mounted or Top Mounted
- Fire Retardancy** - Complies with ASTM E-84 Flame Spread rating of 25 or less.
- UV Stable** - Yes. Handrails to be located outdoors in direct UV shall be shop coated with a two-part polyurethane coating for improved durability and UV resistance.
- Colour** - All rails, posts and kick plates are to be integrally pigmented yellow
- Surface Finish** - Non-slip miniscus
- Sizes** - Stanchion Posts 1.275m High – Manufactured from 55mm x 55mm x 5mm thk Square Tube
Hand and Knee Rail 6m Long – Manufactured from 44mm x 44mm x 3.5mm Square Tube
Kickplate 6m Long - 100mm High x 13mm Deep with two reinforcing ribs.
Top Mount Brackets – S/S304 or Polyurethane.
- Assembly** - The handrail post/rail connection is to be fabricated such that the rails are unbroken and continuous through the post without the use of packs or splices. The mid rail is to be installed through the post at a prepared hole made to fit the outside dimensions of the rail. The top rail is to fit into a machined, U-shaped pocket formed into top of the post. All exposed post corners are to be radiused to eliminate sharp edges. The rails are to be joined to the post through a combination of bonding and riveting. No sharp, protruding edges are to remain after assembly of the handrail. Spacing of the posts shall not exceed 1.5 m

