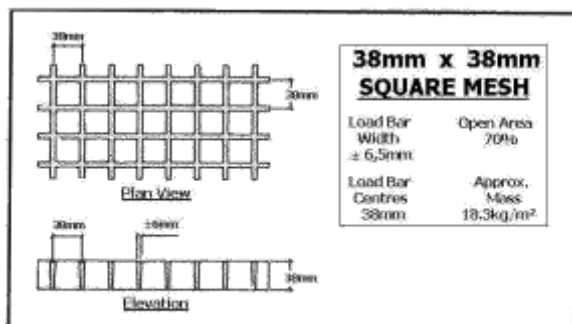
	FRP/GRP MOULDED GRATING	DATE : 2021.11.12
		REF. : SPC/GRP1
<b>PROJECT</b> GENERIC SPECIFICATIONS	<b>TITLE</b> STONGRATE ISOFR GRATING & STAIRTREADS	REV. : 10
		PAGE : 1 OF 1

- Supplier** - StonCor Africa (Pty) Ltd
- Chemical Duty** - Acidic and low concentration Alkali conditions
- Resin System** - (Isophthalic Resin )The resin formulation is designed for industrial and chemical processing applications where corrosion resistance is important.
- Manufacture Method** - Compression moulded, with a 65% resin to 35% fibreglass ratio.
- Mesh Pattern** - Grating - 38mm x 38mm Square mesh pattern, in order to ensure bi-directional load carrying capability  
Stairtreads - 150mm x 38mm Complete with moulded reinforced, silica non-slip bull nose
- Fire Retardancy** - Complies with ASTM E-84 Flame Spread rating of 25 or less.
- UV Stable** - Yes
- Colour** - Green or Dark Grey
- Surface Finish** - Non-slip miniscus
- Panel Sizes** - Grating - 3,66m x 1,22m or 3,05m x 0,915m or 2,44m x 1,22m  
Stairtreads - 3,05m x 0,572m  
PLEASE NOTE - The stair tread panels can be cut into the following end-banded sizes:  
- 900mm x 270mm x 38mm Treads per panel.  
- 750mm x 270mm x 38mm Treads per panel.  
- 600mm x 270mm x 38mm Treads per panel.
- Panel Depth** - Grating - 38mm Or 25mm  
Stairtreads - 38mm
- Weight** -  $\pm 18 \text{ kg/m}^2$  for 38mm and  $\pm 12 \text{ kg/m}^2$  for 25mm
- Loading** - Grating - 38mm  
Maximum Recommended Load @ 1,22m Span =  $865 \text{ kg/m}^2$   
Ultimate Load @ 1,22m Span =  $4\ 880 \text{ kg/m}^2$  (Safety Factor 5:1)  
Stairtreads - 38mm  
Deflection for a centre point load of 150kg on a 750mm wide stair is 5mm



Engineering Values Per 300mm of Width  
A = 18,38cm<sup>2</sup> Y = 21,23cm<sup>3</sup> S = 10,65cm<sup>3</sup>  $\delta \text{wt EI} = 1 \text{ MN} \cdot \text{m}^2$

