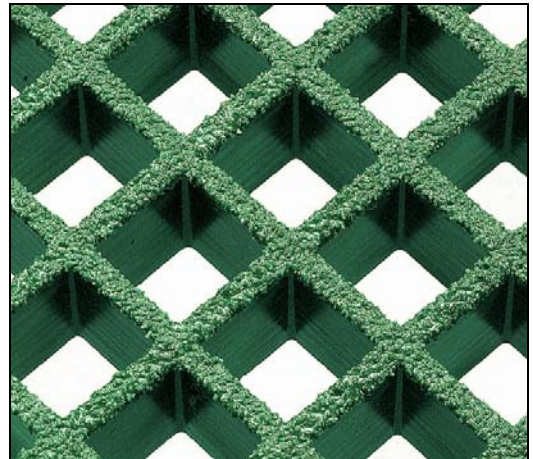


# FRP Grating

Product Code - NEXGG38VE

## Product Description:

Standard Sheet -	<b>3665 x 1225mm</b>
Overall Thickness -	<b>38mm</b>
Bar Thickness -	<b>7mm max</b>
Colour -	<b>Green or Yellow</b>
Surface -	<b>Non-slip Grit Top</b>
Resin Grade -	<b>Vinyl Ester (VE)</b>
Kg's pm <sup>2</sup> -	<b>19.5kg</b>



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## Material Data:

<u>Barcol Hardness</u>	<u>45</u>
<u>Heat Deflection Temperature @ 1.82MPa (degrees C)</u>	<u>85</u>
<u>Tensile Strength (MPa)</u>	<u>65</u>
<u>Tensile Modulus (GPa)</u>	<u>3.5</u>
<u>Elongation at Break (%)</u>	<u>3.1</u>
<u>Flexural Strength (MPa)</u>	<u>96</u>
<u>Flexural Modulus (GPa)</u>	<u>3.8</u>
<u>Compressive Strength (MPa)</u>	<u>185</u>
<u>Compressive Modulus (GPa)</u>	<u>2.2</u>

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**Material:** Nextep FRP grating is manufactured by interlacing reinforcing glass fibre strands within a vinyl ester resin. Gratings produced using this technique yield a product having 25-35% (by total weight) of fibreglass reinforcement. All grating is manufactured from a premium grade thermosetting polyester resin, thermally cured in the mould. For fire retardant protection, the resins used are complete with antimony trioxide to obtain Class 1 Fire Rating of 25 or less as per ASTM-E-84.

Colour pigmented throughout the resin will be green or yellow. Ultraviolet inhibitors are included to meet the specifications of UL-94-VO. Products manufactured to these specifications can expect a life rating B, or 50 years before rehabilitation is required.