



Chinagrate Prospera Corporation

TESTING CRITERIA FOR GRP GRATING – TRENCH COVERS

MEDIUM DUTY		
Load Type	Slow moving wheel load (Tonnes)	Max Deflection (mm)
Ultimate Load (Min)	10	20
Safe Working Load	5	10

HEAVY DUTY		
Load Type	Slow moving wheel load (Tonnes)	Max Deflection (mm)
Ultimate Load (Min)	25	20
Safe Working Load	12.5	10

The above figures are based on a section of grating 300mm wide with an 800mm clear span, and with the load applied through a 250mm diameter load head, in the centre of the grating at mid-span, perpendicular to the span. At the stated ultimate load, full recovery will be required with no permanent set.