

FOR IMMEDIATE RELEASE

Strength To Weight Ratio Critical In Floor Grating Products

The strength to weight ratio of floor grating is an important consideration. Used in a number of industries, from process plants to wastewater treatment facilities to petrochemical facilities and oil refineries, industrial floor grating needs to be durable and fit for purpose.

As the single largest producer of floor grating in Africa, Andrew Mentis has built an extensive database of customer applications that focus on quality and safety. All manufacturing is undertaken at a world class facility in Elandsfontein, Johannesburg in adherence to stringent quality processes, with close tolerances being maintained.

Andrew Mentis RS40 floor grating is engineered to take a specific loading, which ensures the safety of people walking or working in those areas. By carefully reviewing the technical specifications and other information relating to the load bearing capacity of the product, superior floor grating is produced for mezzanines, catwalks, platforms and ramps.

Prior to the start of the manufacturing process, a technical representative from Andrew Mentis meets with the customer to determine their precise needs and ensure maximised structural integrity. Thereafter the processing department compiles the layout of required products according to structural drawings supplied.

There are specific non-negotiable factors that Andrew Mentis takes into consideration during the production of floor grating. The manufacturing method used by the company ensures that the transversals are positively and permanently locked to the bearer bars.

The compressive pressure locking method at the intersections is engineered to use the full depth of the bearer bar and the grating panels are flat, square and untwisted with a pitch of 40 mm by 40 mm. As a result there are no cracks or crevices at intersections which could harbour corrosion.

The grating's non-slip characteristics are created by the positive raised sections that produce multi-directional obstructions on the top of each bearer bar, allowing for a far larger surface contact area.

Mentis floor grating is also available with a serrated profile for those customers that have application for this. The company also supplies moulded fibre glass grating which is used in corrosive environments where steel cannot be used.

STRENGTH TO WEIGHT RATIO CRITICAL PIC 01 : Andrew Mentis RS40 floor grating is engineered to take a specific loading, which ensures optimum safety of people walking or working in those areas.

STRENGTH TO WEIGHT RATIO CRITICAL PIC 02 : The compressive pressure locking method used at the intersections of Mentis floor grating is engineered to use the full depth of the bearer bar .

STRENGTH TO WEIGHT RATIO CRITICAL PIC 03 : The non-slip characteristics of Mentis grating are created by the positive raised sections that produce multi-directional obstructions on the top of each bearer bar.

STRENGTH TO WEIGHT RATIO CRITICAL PIC 04 : Mentis floor grating is used extensively in the mining industry.

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FROM : CORALYNNE & ASSOCIATES
TEL : +27 011 849 3142
EMAIL : communicate@coralynne.co.za
WEBSITE: www.coralynne.co.za

FOR : ELAINE VAN ROOYEN
ANDREW MENTIS (PTY) LTD
TEL : +27 011 255 3200
www.mentis.co.za