

FOR IMMEDIATE RELEASE

Andrew Mentis Stainless Steel Floor Grating And Handrailing Provides Corrosion And Chemical Resistance

Andrew Mentis (Pty) Ltd was first formed in 1950 as a precision engineering works and subsequently went into the development and manufacture of steel grating. Extensive research and market experience has resulted in the growth of the range of products to encompass expanded metal, Mentrail (guardrails for roads), industrial handrailing systems, steel floor tiles and Mendrill (automatic drilling and boring machines).

Feedback from customers allows the company to develop products that provide cost effective solutions for specific applications. The company's stainless steel handrailing systems and floor grating are perfect examples of innovation at work.

"The wastewater, mining, petrochemical and chemical industries are very harsh environments for handrailing and floor grating. Chemicals and saltwater provide the perfect breeding ground for structural damage through corrosion. This, in turn, compromises the safety of the installation and can result not only in costly downtime, but more critically in slips and falls. The introduction of stainless steel products was an absolute necessity from both an occupational health & safety (OHS) as well as a productivity perspective," Elaine van Rooyen, marketing manager of Andrew Mentis, points out.

Andrew Mentis' corrosion resistant RS40 40 x 40 floor grating and handrailing in 304, 316 and 3CR12 stainless steel is ideally suited to the extreme conditions found in harsh environments. The products are designed and engineered to suit situations where the strength to weight ratio is important and where the integrity of the structure is not negotiable.

Not only is the use of stainless steel in applications such as these a safe and cost effective option, but it does not compromise the aesthetics of the environment. The stainless steel handrailing systems boast clean modern lines and the stanchions offer a variety of standard angles and matching accessories. Bends and closures common to mild steel systems are also available for the stainless steel system.

Floor grating

Andrew Mentis' stainless steel Rectagrid RS40 floor grating is considered to have the highest load bearing capacity. Manufactured using a pressure locking system pioneered by the company, the round transversals are permanently locked to the bearer bars enabling the use of the full depth of the bearer bars when calculating loads. It also guarantees the structural integrity of the product and further enhances its reliability and longevity in corrosive environments.

Stainless steel Rectagrid RS40 is corrosion resistant and non-sparking, so it is perfectly suited to situations where strength to weight ratio is important, such as wastewater treatment plants, petrochemical and chemical plants and mining operations. Stainless steel grating is particularly suitable for areas with elevated temperatures.

The compressive pressure locking of the bearer bars and transversals forms an exact pitch of 40 mm by 40 mm, which results in the bearer bars maintaining a perfectly upright position. In addition, as a result of the strong intersection locking, banding is unnecessary. Facilities are, however, available to provide banded and tailored grating where this is required," says van Rooyen.

Handrailing

Mentis stainless steel handrailing is aesthetically pleasing and offers scratch and stain resistant properties. The stainless steel tubular handrailing system is complemented by a range of standard angles and matching accessories, with different bends and end closures to provide versatility. The stanchions and bends form part of a system of interlinking components that can be installed without the need for special tools, thus making installation quick and easy.

"Safety plays a large role in the selection of construction materials for handrailing. Weakened handrailings, caused by corrosion and damp, can result in accidents as well as raise maintenance costs. Mentis' stainless steel handrailings are engineered and manufactured to improve safety and reduce maintenance," says van Rooyen.

She adds that the stanchion base plates are designed to allow moisture to drain from the stanchion itself. "Hand and knee rails and bends are manufactured from 31.8 mm diameter tube with a 1.5 mm wall thickness. Bends and closures have swaged ends, improving speed of installation and preventing

moisture from penetrating into the joints. This is particularly important in environments where corrosion is common due to the presence of water and chemicals.”

The stanchions have a 45 mm diameter and a wall thickness of 2 mm specifications and are available in 316, 304 and 3CR12 stainless steel. The centre hole for the knee rail is drilled and then flared on both sides. The top is also flared and a half round cap is welded into place. The base plate is 8 mm thick and welded to the tube.

Flatex and Mentex expanded metals

Expanded metals in the Mentex range up to and including 4.5 mm thick and the Flatex range up to and including 3 mm thick are available in 304 stainless steel. Expanded metal has a wide range of applications in industry as well as the domestic market.

Safety

Van Rooyen explains that Andrew Mentis has spared no effort or expense in ensuring that its stainless steel products conform to the highest possible safety and quality standards. Andrew Mentis satisfies the requirements of ISO 9001:2008 Quality Management Systems in respect of the design, development and manufacture of all its products.

“Attention to detail and an intimate knowledge of the specific requirements of each industry are factors that play a large role in Andrew Mentis’ ongoing success and have ensured that we continue to grow our footprint throughout Africa,” van Rooyen concludes.

STAINLESS STEEL PRODUCT AT AM PIC 01 : Mentis stainless steel handrailing is aesthetically pleasing and offers scratch and stain resistant properties.

STAINLESS STEEL PRODUCT AT AM PIC 02 : Safety plays a large role in the selection of construction materials for Mentis stainless steel handrailing.

STAINLESS STEEL PRODUCT AT AM PIC 03 : The stanchions and bends form part of a system of interlinking components that can be installed without the need for special tools, thus making installation quick and easy.

STAINLESS STEEL PRODUCT AT AM PIC 04 : The Mentis stainless steel stanchions have a 45 mm diameter and a wall thickness of 2 mm specifications and are available in 316, 304 and 3CR12 stainless steel.

STAINLESS STEEL PRODUCT AT AM PIC 05 : The hand and knee rails and bends of Mentis stainless steel handrailings are from 31.8 mm diameter tube with a 1.5 mm wall thickness.

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