

FOR IMMEDIATE RELEASE

Fit-For-Purpose Wear Solutions

Pressure on maintenance budgets coupled with the need to increase productivity while reducing unplanned downtime in the mining, quarrying and power sectors of the market presents a unique set of challenges.

One of the most obvious ways to cut costs is to look at areas in the plant where excessive wear is occurring and to then apply best practice wear solutions technology to address these issues.

This is according to Roland da Silva, global product line manager, wear solutions at FLSmidth, who recently visited the company's South African operation.

Da Silva says that excessive wear can be caused by a myriad of reasons and it is essential to identify the cause before applying a solution. "Different wear technologies cater for different causes within a plant and it is essential to apply a fit-for-purpose solution to ensure the customer will benefit from the intended increase in wear life," da Silva says.

He points to the obvious differences between wear caused by sliding abrasion and that caused by high impact. "Rubber is capable of handling high energy and impact, while ceramic is best for sliding abrasion, however there are instances where both impact and sliding abrasion occur," he says.

The Ludoliner from FLSmidth is ideal for this scenario where there is high material flow with moderate impact forces.

Wayne Martin, product manager wear solutions at FLSmidth, says the Ludoliner is an easy-to-fit system of bolt-on wear panels that combines the properties of alumina ceramics and rubber resulting in exceptional wear and impact resistance.

"Alumina ceramic is well proven in materials handling applications where abrasion is present, and the ceramic/rubber combination means the panels absorb impact and offer the noise reducing properties of the rubber," Martin says.

Significantly, the locally manufactured Ludoliner is available from FLSmidth's Meshcape® Screen Media business. The manufacturing facility based in Edenvale, Johannesburg, South Africa supports FLSmidth's greater market, with its primary focus on South and Sub-Saharan Africa. This offers end users shorter lead times as well as a reduction in cost; both of which will be major advantages.

Typical applications of Ludoliner panels include screening chutes, conveyor chutes, material deflectors, ball mill discharge chutes and transfer chutes. The panel is manufactured with a mild steel base plate suitable for welding into position, and is available with factory-fitted mounting studs for ease of installation.

Martin says that the Ludoliner Impact Wear Panels can be customised for individual customer applications and this includes the size and shape as well as the mounting stud configuration.

Another solution available from FLSmidth is its well proven Wear-Resist™ Epoxy Ceramic. This cost effective epoxy coating is ideal where a quick hard wearing solution is required.

The product is fabricated from a proprietary mixture of epoxy and wear resistant beads, and combines the hard wearing properties of a ceramic with the flexible installation properties of epoxy.

Martin says it is a proven solution in areas where sliding wear problems are common. Wear Resist™ Quick Set has a working time or pot life of approximately 15 minutes from being thoroughly mixed and will be hard cured in 4 hours, based on an ambient temperature of 23°C, while Wear-Resist™ Standard Set has a working time of approximately 30 minutes and is hard cured in eight hours.

"This makes it ideal for quick equipment maintenance turnaround with a minimum of downtime," Martin concludes.

WEAR SOLUTIONS OFFERING PIC 01 : The Ludoliner from FLSmidth is ideal for a scenario where there is high material flow with moderate impact forces.

WEAR SOLUTIONS OFFERING PIC 02 : The Ludoliner is an easy-to-fit system of bolt-on wear panels that combines the properties of alumina ceramics and rubber resulting in exceptional wear and impact resistance.

WEAR SOLUTIONS OFFERING PIC 03 : Wear-Resist™ Epoxy Ceramic is a cost effective epoxy coating which is ideal where a quick hard wearing solution is required.

WEAR SOLUTIONS OFFERING PIC 04 : Wear-Resist™ Epoxy Ceramic is simple to apply.

WEAR SOLUTIONS OFFERING PIC 05 : Wear-Resist™ Epoxy Ceramic is simple to apply.

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