

Matrox delivers continuous improvement

The Challenge: A vibratory feeder conveying sand and gravel in a concrete batching plant required routine maintenance to replace the polyethylene liner. Rather than simply replace with a like-for-like product, the client decided to use the opportunity to try and find a replacement which would help improve feeder performance.



Our Solution: Matrox Premium grade UHMW polyethylene - 15mm thick

Key Features: Lubricating additives reduce surface friction to enhance performance

Improvement:

Competitor PE:	Throughput = 30 tonnes in 21 minutes Vibrator amperage = 3.9 A
Matrox Premium:	Improved throughput = 30 tonnes in 15 minutes Less vibration required. Vibrator amperage = 2.5 A

Benefits:

- Productivity** - fast, predictable material feed
- Cycle time** - reduced by 6 minutes per batch
- Power** - energy savings through lower vibrator amperage
- Maintenance** - better abrasion resistance reduces frequency of change

“I am surprised just how much difference such a seemingly insignificant change has made to our process. Matrox really has improved plant efficiency and cut production costs. We have a policy of using routine maintenance as an opportunity to upgrade and improve our plant, this project demonstrates the benefits that can be achieved.” Production Director

