

CASE
STUDY

REDI-LINER CERAMIC

MODULAR LINING SYSTEM

PRODUCT:	Redi-Liner Polyurethane & Redi-Liner Ceramic
PRODUCT CATEGORY:	Flow & Anti-Wear
LOCATION:	Wagga Wagga, New South Wales, Australia
CONVEYED MATERIAL:	1½" (30mm), crushed river rock
PREVIOUS WEAR LINER INSTALLED:	CC 1500 Chromium Carbide
PREVIOUS WEAR LINER LIFE:	6 months
CURRENT WEAR LINER INSTALLED:	Redi-Liner Ceramic G83A
CURRENT WEAR LINER LIFE:	2½ years
CURRENT WEAR:	30%
INSTALLATION DATE:	January 2011
LAST INSPECTION DATE:	May 2013

PROBLEM DESCRIPTION:

Founded in 1947, the customer is a long-established local company, supplying a wide range of high quality premixed concrete and quarry products to the building and construction industry in Wagga Wagga and surrounding areas.

"Previously we had used hardened steel plating to line this impact area at the start of the screen load zone. We used steel because it has always been considered the toughest and best material to cope with the high abrasion levels caused by the high volume of rocks.

"We would routinely need to change the steel plating on average every six months, shutting down the entire belt operation so that our maintenance crew could weld on a new plate."



Photo of Wagga Wagga aggregate production facilities



RESOLUTION:

"When the Kinder & Co. sales engineers suggested that we try the Redi-Liner panels, I was quite doubtful that they would be able to replace the steel plate.

"However straightaway I was impressed by how easy they were to bolt on – much quicker and needing less manpower than the steel plate. And the individual panels are very effective because they can be placed only in areas of high wear with no modifications required.

"It's coming up to two and a half years now since we first installed the Redi-Liners and I couldn't be more delighted in how they have performed. Less stoppages means our productivity output rates have increased so we can meet customer demand quicker."



2011 photo of Redi-Liner ceramic in place after 6.5 months



2013 photo of Redi-Liner ceramic lining still in place after 2 years and 4 months of constant use