

CASE  
STUDY

# REDI-LINER DUAL DUROMETER CERAMIC MODULAR LINING SYSTEM

<b>PRODUCT:</b>	Redi-Liner Dual Durometer Ceramic
<b>PRODUCT CATEGORY:</b>	Flow & Anti-Wear
<b>LOCATION:</b>	Hill View Quarries, Dromana, Victoria, Australia
<b>CONVEYED MATERIAL:</b>	Granite rock, 15" (400mm)
<b>EXISTING WEAR LINER INSTALLED:</b>	Abrasion-resistant steel plate
<b>RATE:</b>	350 tons per hour, 8 foot (2.5m) drop
<b>INSTALLATION DATE:</b>	14 months to date

**PROBLEM DESCRIPTION:** This customer in Australia was originally dropping granite lumps 8 feet onto a 60° panel protected by a 5/8"-thick bisalloy plate. This plate was only lasting 5 days, requiring a shutdown to replace it weekly.

**RESOLUTION:** First, a solid 2" polyurethane wear panel was tested, which lasted 3 days.

Next, an Argonics dual durometer ceramic Redi-Liner panel was tested. This 12" x 12" x 4" panel was made up of a 63 Shore A durometer bottom with a 93 Shore A durometer top, with 1½" ceramic cubes. This panel has lasted 14 months.



*Redi-Liner Polyurethane in place at the bottom of the chute at the Hill View Quarries*

