

Case Study

Iron Ore Mine, South Africa

LinaShield

Thermoplastic Polyurethane

PRODUCT:	LinaShield Thermoplastic Polyurethane Wear Liners
LOCATION:	Iron Ore Mine, South Africa
PRODUCT DESCRIPTION:	10mm LinaShield glued to 10mm mild steel backing plate
SHORE A HARDNESS:	85°
APPLICATION:	Wear plates on a washing and screening vibrating panel
MAXIMUM PARTICLE SIZE:	80mm rocks
INSTALLATION DATE:	January 2020
TEST RESULT:	Successfully installed (Wear Life to be determined)

PROBLEM DESCRIPTION:

The client represents one of the largest iron ore reserves in South Africa and in the world having estimated reserves of 2.43 billion tonnes of ore grading 58.6% iron metal.

Highly abrasive rocks slide on a vibrating screen and currently use VRN400 wear plates bolted in place.

SOLUTION:

LinaShield 10mm was glued to a 10mm backing plate. The glue used was Topstick PL.

LinaShield was installed on the vibrating screen where highly abrasive rocks slide. The plates were successfully manufactured and installed.

TEST RESULT:

Successfully manufactured and installed. The wear life is still to be determined. (Update to follow)

IMAGES & DRAWINGS:



