



Industry:
IRON ORE MINING

Project:
CONVEYOR BELT REPAIR

Application Type:
ABRASION

System:
NUKOTE HAR

Coated Area:
500 LINEAR METER OF CONVEYOR BELT



PROJECT DESCRIPTION:

The conveyor belt is used to transfer primary product with product size in excess of 250 mm.

The belt surface had some damage / gauges on the sides due to abrasion from the product and skirting lines.

The repair process below was completed within 24 hour shutdown:

- The belt was whip blasted to clean the surface.
- Premera AE T7, a nano-adhesive primer, was applied to create molecular bridge between the polyurea coating and belt surface (rubber).
- Nukote HAR was applied straight after at 4 – 5 mm thickness on 300 mm wide on both sides of the belt.

The conveyor belt was back on operational 12 hours after coating application.

This repair process using Nukote HAR – High Abrasion Resistant Polyurea, has reduced the need to replace the belt which normally took place every 12 months or less.