

PROJECT REFERENCE

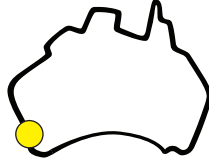
END TIPPERS



Industry
TRANSPORT

Client
GIACCI

Asset
End Tippers



Location
Perth WA

Description:

Many transport operators are turning to aluminium bodied vehicles to reduce their tare weight and increase their payload.

Transport of mineral sands can present particular problems due to their extremely abrasive nature and this is more extreme with aluminium bodies.

Nukote was asked to provide a solution to the excessive wear that transporting and tipping mineral sands was causing to new aluminium end tipper bodies.

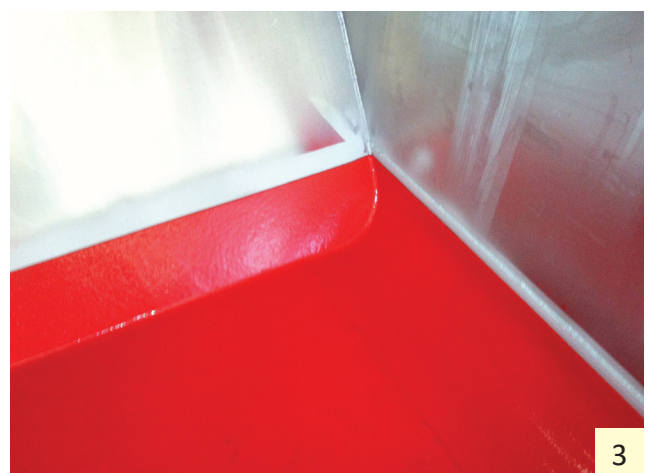
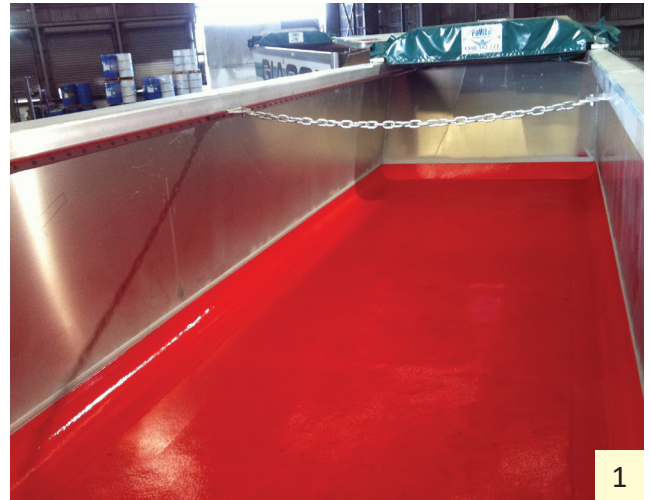
The solution was to apply a customised liner of Nukote ST with the liner thickness matched to amount of abrasion experienced at each part of the body. This was thickest at the tailgate and thinnest at the front.

Before applying the liner, the aluminium was abrasive blasted and primed.

The Nukote liner has eliminated abrasive metal loss from the aluminium and can be "topped up" with more polyurea once the liner eventually wears down.

SPECIAL POINTS OF INTEREST

- ◆ In total, 28 end tippers were coated with Nukote ST high performance polyurea, providing exceptional wear resistance.
- ◆ Higher film thicknesses can be applied to higher wear areas to increase service life.
- ◆ Nukote ST can be applied in different colours to provide a wear indicating system.



Images

1. Completed floor of an end tipper.
2. Polyurea technology provides excellent abrasion resistance.
3. Nukote ST demonstrated excellent adhesion to the blasted and primed aluminium surface.

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SPECIALIST POLYUREA SOLUTIONS