

MINE SPECIFIC DUMP BODY DESIGNS

In order to improve the productivity of rear dump vehicles, dump body designs can be optimised for different materials. Kador's mine specific bodies are designed by [CMP Engineers](#)

The development of formable and weldable structural steel plate with a surface hardness comparable with wear plate has enabled the production of bodies with good abrasive wear properties without the need for liner plates. For example, very robust bodies with extra thick floor plates (and no liner plates) have been designed to carry hard, lumpy abrasive material, at a zinc mine in NW Qld.

The high strength of the plate has also made it possible to reduce the thickness of the floor and wall plates where lightweight materials such as coal or bauxite are being carried.

In all cases, finite-element-analysis is used to optimise overall structural and joint configurations with respect to structural efficiency.

Additional features, such as tail gates, can be provided if required.

Kador can also provide 'hungry boards' and 'duck tails' to extend the capacity and spill performance, and optimize the axle loading of existing bodies.

