MBM Industry & Rail Tech GmbH
Tullnerbachstraße 36
A-3002 Purkersdorf
Tel.: +43 (0)2231 66000, Fax: -12
www.mbm-industrietechnik.at

MBM
MBM Industry & Rail Tech

MBM RailGrip
Aluminium Oxide – the grit of the future

Comparison: usual amount of natural sand vs. usual amount of MBM RailGrip

No Fine Dust
MBM RailGrip is not crushed in the wheel rail contact point; no fine dust is created.

No Health Hazard
MBM RailGrip is completely non-toxic in operation as well as production. It does not create any lung diseases caused by fine dust.

High Efficiency
10% of the usual amount provides 100% traction

Reduced Maintenance
Reduced amount of media means reduced maintenance

Sanding systems shall guarantee the required adhesion for traction as well as for emergency braking, even in adverse weather conditions. Corresponding to the state of the art, natural sand is discharged towards the contact point between wheel and rail.

Typically, natural sand is discharged with dispensing volumes between 500g and 1500g per minute. The increased friction in the contact point between wheel and rail due to the use of natural sand is dearly bought by extraordinary financial costs and by damages to health as a result of fine dusts. Both disadvantages of natural sand can be drastically reduced or even completely eliminated when using an alternative grit.

MBM RailGrip as grit has a significantly harder grain than natural sand. The grain is not pulverised in the contact point between wheel and rail in contrast to the natural sand grain. After having been rolled over by the wheel, the grain still is available in a compact form with sharp edges and can further be used for traction increase. Thus, no fine alveolar dust occurs which can be harmful to health.

MBM RailGrip is environmentally friendly even in the making - it is obtained from natural earth by electric arc melting and without the need for toxic alkalis as for the production of metallic aluminium.

MBM Sanding Systems can reliably deliver both natural sand and MBM RailGrip with the same hardware.

MBM made the decision to switch as easy as possible; you just have to make it...

As simple as possible - as good as the best