

MasterRoc MF 504

Fosterville Gold Mine, Victoria

Fosterville Gold Mine (Victoria's largest gold producer) partnered with Master Builders Solutions to improve the speed of their backfill operations and reduce costs. Using MasterRoc MF504 at 500mL/wt, the binder content was reduced by 20% and increased solids content by 2%, maintaining comparable unconfined compressive strength results.

Customer Benefits:

- Optimised mix by reducing cement binder content by 20%
- Provided greater in-place strengths at 7-14 days compared to traditional mixes despite requiring less water
- Reduced pump and distribution pressures by reducing yield stress by 50%
- Improved workability and reduced cycle times, increasing production



Learn More About
Our Backfill Portfolio



100+ Years of Mining Innovation and Expertise

With a legacy dating back to 1909, our global network of researchers and chemists have created innovations that have revolutionised mining and underground construction.

Rock Bolt Injection Solutions

Designed for the installation of cable and rock bolts in underground mines, our pioneering solutions enhance installation speeds and performance, while also improving worker safety and strata control measures.



Shotcrete Portfolio

Master Builders Solutions offers cutting-edge shotcrete solutions that deliver superior performance and durability in construction and mining applications. These solutions are engineered to meet the demanding needs of modern infrastructure projects while ensuring long-lasting, reliable results.



Tunnelling - TBM

Our innovative TBM-specific technologies improve operational efficiency in soft and hard rock excavations and developed to specific tunnelling needs. We carry out project-specific testing, aiding customers with selections of soil conditioning and operational improvement products.



Backfill Solutions

Master Builders Solutions provides advanced mine backfill optimisation, tailored to the ANZ mining industry's specific requirements. These solutions optimise tailing utilisation, enhance stability, reduce cement and minimise environmental impacts, contributing to sustainable and efficient mining operations.

