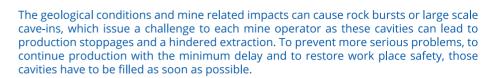
APPLICATION CAVITY FILLING

with ROCSIL® FOAM, MARIFLEX® or MARIFOAM®





We offers phenolic foam products with different technical characteristics for individual solutions in mining and tunnelling:

Cavity filling caused by roof falls

- Reduced Transportation Times to working areas due to reduced quantities of Rocsil required to fill large volumes, when compared to conventional cementitious options.
- Due to high expansion rates of the Rocsil, complete cavity filling is assured. This allows for the containment of the surrounding strata in exposed cavities, thus containing further self-mining or falls of ground.
- Due to the expansion of the foam, and assurance that the cavities will be completely filled, a containment of the excavation is ensured due to the active filling support of the foam.





Goaf stabilisation/isolation

- → Enables shield removal without the installation of bolts and mesh into the roof
- → Prevention spontaneous combustion
- Improvement of ventilation due to airtight barrier between goaf/gob and face
- → Prevention of gas inflow
- **→** Improved safety

The foam is pumped into the cavity by a pneumatic pump with a preset mix ratio of the two components resin and catalyst. A mixing gun merges the components shortly before the product emerges the pipe and is placed.

The foaming starts immediately which enables a quick cavity filling with minimum product input. The expansion ratio varies depending on the desired compressive strength of the final-product. Depending on the application and in-situ situation the product can also be pumped into "big bags". Cavity filling foams enable a cost-effective, time-saving and safe cavity filling solution.







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