

Safety deep in the ground.



> Fill materials for mines

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The materials are transported below ground using state-of-the-art technology and the highest possible safety measures.

## Advantages above and below ground.

Mark of company quality: AUREC is a subsidiary of REMEX GmbH, the innovative leader for mineral recycling, the production of construction materials and remediation services.

As in the past, mines continue to be the most important source of raw materials for the world's population. Even if the ore, metal and coal mines have been closed down in many regions around Germany, German salt mines are still highly regarded across the world. Even though the best possible safety measures are taken during the mining activities, it has proven useful to refill some parts of the ground – to protect both the inhabitants of the area and the environment on a long-term basis. The fill materials produced by AUREC GmbH ensure that the empty spaces in disused sections of mines are filled to guarantee additional long-term stability. This means: greater safety – in the mine as well as on the surface.

### Specialists for fill materials

Based on our long-term experience, we are able to produce high quality filling materials that ensure a greater stability of disused mining sections – in accordance with legal regulations and accompanied by strict controls. The material used to produce the filler comes from industrial waste or construction waste. No natural resources are used to fill the mining spaces.

### Tried and tested fill materials

AUREC's products offer best quality due to their excellent effectiveness. They:

- fill, support and bind together in the best possible way
- ensure that the geo-mechanical system is given additional stability over a long period
- fulfil all structural physical requirements
- fully comply with all legal stipulations

We produce filling materials according to up to 30 different formulae. The characteristics of the mineral source materials are first analysed to ensure they are used in the best possible way. As a result, we are able to fulfil each and every individual requirement.

### Strengths that speak for themselves

Being an accredited waste management business, we rely on state-of-the-art technology, proven processes and the highest possible production standards. Furthermore, AUREC has a future-oriented quality and environmental management system. Thanks to our exemplary company concept, we are able to unite mining safety and waste manage-



Our filling materials fill empty spaces in the best possible way ensuring geo-mechanical systems are stabilized over a long-term period.

ment safety. The materials recycling of the different kinds of source material means clear economical and ecological advantages:

- the fill materials are permanently sealed off from the biosphere
- hazardous materials are prevented from polluting the ecosystem
- considerably safer than using landfills
- recycling rather than disposal

### Unbroken line of responsibility

Our expertise covers the whole of the recycling process – from providing advice to carrying out the actual work itself. Using its many years of experience, AUREC also deals with assessment work, provides assistance when dealing with authorities and carries out logistics activities. This means the fill materials are transported below ground quickly and safely. And, if required, our customers can reach us round-the-clock.

Do you have any questions? Then do not hesitate to give us a call or send us an email. We are looking forward to hearing from you.

> An exemplary model

Some of the disused parts of the Bernburg mine need to be filled to ensure the structural safety of the area. Being AUREC's partner, the mine has been issued with a strictly controlled and officially certified long-term safety certificate. At the same time it ensures that the two "worlds" are strictly separated from one another so that the salt mining activities are not affected by the recycling business. This means that it fulfils all legal regulations that stipulate how waste and hazardous waste may be stored.



All materials are analysed in detail before they are used – in compliance with all regulations and in an eco-friendly way.

