





Technical Textiles for Mining Applications

At Fibrion Textiles, innovation is at the heart of everything we do. Rather than offering a rigid catalog of standard products, we specialize in developing tailored, cost-effective textile solutions that meet the specific technical demands of the mining industry. With advanced inhouse capabilities, including twisting, winding, weaving, coating, and finishing, we are equipped to engineer and manufacture custom fabrics at scale. Our flexible production model and commitment to collaboration allow us to respond quickly to evolving operational challenges, delivering solutions that are both high-performance and economically viable. We are proud to currently support and supply several active mining operations, working closely with operators to co-develop materials that perform reliably in the toughest environments. Whether you're seeking a new approach to structural reinforcement, filtration, or geotechnical support, Fibrion is your partner in textile innovation for mining.



Roof Support

Fibrion Textiles produces high-strength, durable fabrics used to reinforce underground mine roofs. These materials are applied alongside shotcrete or other cementitious systems to provide structural stability, prevent rock falls, and enhance overall mine safety.



Ventilation Applications

Fibrion's technical textiles are used in the construction of mine ventilation systems, including ducting and barriers. These materials are lightweight, flexible, and durable, ensuring efficient airflow control, maintaining air quality, and facilitating rapid deployment in underground conditions.



Particle Separation

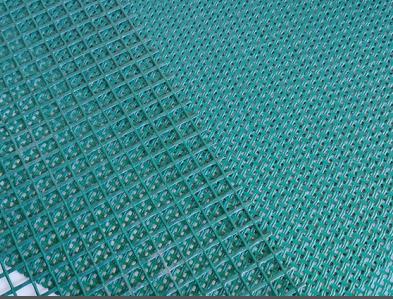
Our precision-engineered filtration fabrics are used in ore processing and materials handling to separate fine particles from slurry and aggregates. Designed to resist abrasion and chemical degradation, these textiles increase recovery rates and reduce waste in mineral processing operations.



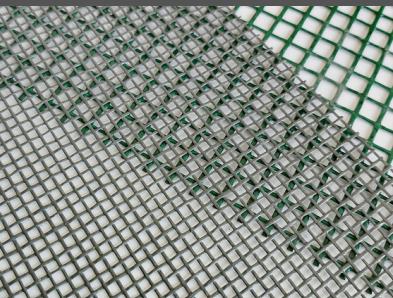
Filtration of Chemicals, Solids, and Air

Fibrion Textiles offers specialized filtration materials used for purifying air, separating solids, and filtering chemicals throughout the mining process. From dust control to chemical treatment systems, our textiles help operators meet environmental standards and maintain cleaner, safer working conditions.

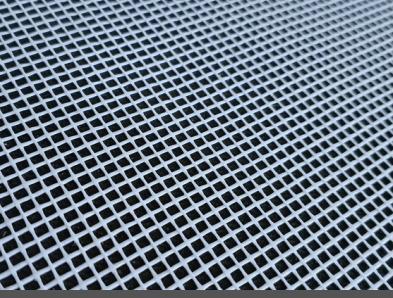
Geotextiles

Fibrion's geotextiles are critical in stabilizing and reinforcing mining infrastructure, including tailings dams, haul roads, berms, and embankments. These fabrics offer superior separation, drainage, filtration, and erosion control—extending the life of key structural assets and reducing failure risks.

Construction Support

Fibrion Textiles supplies construction-grade fabrics used in temporary and permanent structures within mining operations. Applications include base reinforcement for access roads, protective barriers, erosion control blankets, and temporary shelters. Our materials improve build quality while withstanding harsh site conditions and mechanical stress.

Non-Metallic Cementitious Applications

Our non-metallic reinforcement textiles are ideal for use with cementitious materials like fiber-reinforced shotcrete. These fabrics improve load distribution, reduce cracking, and enhance the longevity of underground structures without introducing conductive or corrosive elements—perfect for sensitive environments like most mines.

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