



Engineering
Innovation







About

MYS specializes in providing efficient, cost-effective, and value-packed solutions for various industrial applications and is known for presenting comprehensive commercial offers that meet the highest regulatory requirements while remaining competitive. At MYS, our specialized team of technicians work in harmony with our customers to find the most economically and environmentally viable solutions.





Our Mission

MYS stands for quality and reliable supply of services which are cost-effective, environmentally friendly, efficient, and highly compatible with a range of geological conditions and machinery. Our staff work in synergy in a research-oriented environment that appreciates and promotes innovative solutions. MYS is known for timely delivery of solutions and provision of technical assistance throughout projects.



IUGC

TBM tunnelling without the use of chemicals is hard to imagine. At MYS, a wide range of highly efficient and cost-effective TBM products, designed specifically for use with all TBM variants and models throughout tunnel excavation, are formulated accommodating a variety of geological conditions and customer requirements.

In addition, our professional underground construction teams of technical services are on hand round the clock to offer specialist technical advice and troubleshooting to ensure the safety and optimal performance of tunnel boring machinery and personnel.





I Main Bearing Greases

One of the most important and costliest parts of the TBM is probably the main bearing. Therefore, it is imperative that this piece of machinery be kept in good condition by ensuring that it is properly sealed and well lubricated.

Main Bearing Sealant Greases

Experience has shown that most failures of TBM main bearings are related to a loss of lubricant or to the entire of contaminants such as water, mud, and dust from outside. Our MBG GROUP protects the main bearing by preventing it from contact with such contaminants. Produced from the highest raw materials and under stringent standards, this product stands for quality and is Merkel certified.

Main Bearing Lubrication Greases

Our extreme pressure greases for TBM main bearings are packed with highly important features. They offer excellent mechanical stability in low and fast rotation speeds, heavy load carrying capacity and corrosion protection, strong resistance to washout, and very good temperature stability. These greases are available in biodegradable and fire-resistance forms and come in several grades.



Main Bearing Greases



Main Bearing Greases



Ep2 Greases



Tail Sealant Greases

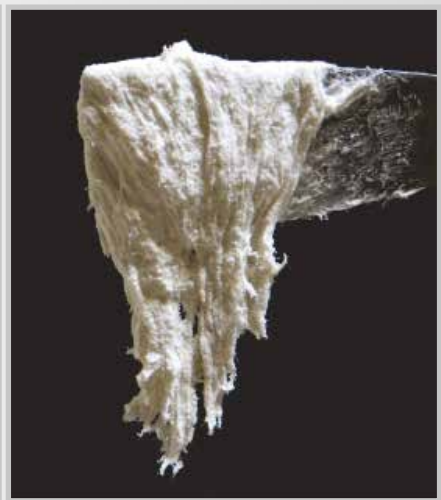
Tail sealants are injected continuously between the rows of brushes to protect the TBM against the ingress of soil, water, grout, or dust by sealing the tail brush system. MYS RSF GROUP acts as a barrier to mortar, water, and soil and is resistant to washout. Moreover, its seamless ability to adhere to any damp surface helps guarantee good pressure control. This product is specifically designed to ensure the safety of the personnel, the environment, and the equipment. This excellent sealant is partly made from renewable raw materials.



Tail Shield Greases



Tail Shield Greases





Foams, Polymers and Additives

The geological conditions of the excavating site are seldom ideal. Therefore, soil conditioning is a must in ensuring the productivity and safety of tunnelling activity. Injection of soil conditioners onto the tunnel face significantly modifies the characteristics of the ground and helps transform it to obtain an effective pressure control in EPB TBMs. As a result, excavation can continue in greater safety when various factors including cutterhead torque, thrust force, clogging, dust, tools abrasion, and wear affecting the TBM are minimized and controlled. Our additives and polymers help stabilize ground conditions by offsetting high water content or pressure effects in sharply graded soils. Besides, these polymers are specially engineered to have a minimal impact on the environment while being safe for the foaming system.





Injections

MYS manufactures and provides a variety of injection products which are used with TBMs for various tunnelling applications. Some of these include strengthening geological fault zones by soil consolidation and rock stabilization, stopping water ingress, filling voids/cavities, and permanent sealing and waterproofing. PU INJECTION products offer efficient and cost-effective solutions for composite shell lining, escape routes, and utility caverns. Moreover, they effectively provide a barrier against compressed air loss in the cutterhead.





Concrete Segments

During the production of concrete segments for tunnels, high early strength development is of key importance for concrete segment manufacturing. It is important that the concrete can be placed without the formation of hollows or voids. A wide variety of concrete admixtures are available at MYS.





Accelerator for Sprayed Concrete

Successful sprayed concrete requires the combination of many aspects of modern concrete technology especially concrete admixture chemistry, together with modern materials handling technology. The increasing demands for cost-effectiveness and the protection of health and the environment mean that sprayed concrete has been in continuous development. MYS's products for sprayed concrete represent the newest generation and cutting-edge technologies that have. With this experience, expert knowledge and a focus on performance and economy, MYS provides reliable proven solutions!



MYS Chemicals is an association of FORTA



Seba Office Boulevard

Ayazaga Mah. Mimar Sinan Sok.
No: 21 D Blok 48 Sariyer / Istanbul / TURKEY
Phone: +90 (212) 215 5262
Fax: +90 (212) 215 5263

Factory

Veli Koy Osb Mahallesi
6. Cad. No:18/1 Cerkezköy
Tekirdag / TURKEY