

RESIN CARTRIDGES · POLYURETHANES · SILICATES
CEMENTITOUS PRODUCTS · BOLTS & ACCESSORIES · PUMPS · SERVICES



TOGETHER

Minova is a global manufacturer of steel bolts and anchors, resins, grouts and coatings which provide vital ground support toin the mining sector.

MINOVA USA

We provide products widely used in hard rock and coal mining. We support the Americas region across USA, Canada, Mexico and LATAM.

Minova has over 135 years exeperience developing and delivering innovative, high quality products, technical expertise and problem solving. This is a heritage we are proud of and continue to build on.

OUR SOLUTIONS

- ► WATER STOPPING
- ► SHOTCRETING
- ► CRACK & VOID FILLING
- ► ROCK BOLTING & ANCHORING
- ► PRODUCT APPLICATION

LOCTIONS. Hamilton, ON Marion & Millstadt, I Grand Junction, C Steel Plant South Point, OH Cartridge resin & chemical plant Georgetown, K

WHAT CAN OUR PRODUCTS DO FOR YOU?

STOP WATER & GAS INGRESS

Wide range of specially formulated products to stop water and gas ingress



FILL VOIDS & CRACKS

Minova high foaming grouts and resins are used to fill cracks, cavities and voids



BOLT ANCHORING

Our bolts are used with our resin and powder grouts to provide critical support



CONSOLIDATE AND STABILISE GROUND

Grouts and resins to achieve ultimate ground consolidation and stabilisation



SPRAYED CEMENT MEMBRANES

Minova supplies a broad range of wet and dry sprayed products, which function as structural or waterproofing membranes and coatings.





OUR PRODUCTS.



RESIN CARTRIDGES

We are a pioneer of capsule grout technology, including our globally renowned Lokset® polyester cartridges. We offer a wide range of cartridges to suit your anchoring requirements.



INJECTION RESINS

From ultra-foaming to high strength and fast setting, our injection chemicals anchor, consolidate and control gases, water and strata in all types of ground conditions.



CEMENTITIOUS

Our range of specialist powder solutions are used for structural and water-proofing coatings, void filling and anchoring.



BOLTS & ACCESSORIES

We offer a comprehensive range of steel and GFRP products that control and stabilize soil and rock.



PUMPS & EQUIPMENT

Minova offers a wide portfolio of injection, grout and shotcrete pumps which are compatible with our products.

PRODUCTS BY APPLICATION.

PRODUCT FAMILY	PRODUCT NAME	ANCHORING	GROUND CONSOLIDATION & STABILISATION	ROCK CONSOLIDATION	CAVITY FILLING	CRACK REPAIR	GAS OR WATER CONTROL	WATER INGRESS	STRUCTURAL SUPPORT
RESIN CARTRIDGES	Lokset®	•							
ONE COMPONENT POLYURETHANES	CarboStop 102		•				•		
TWO COMPONENT POLYURETHANES	CarboPur WS		•			•	•		
	CarboPur WFA		•				•	•	
TWO COMPONENT	GeoFlex	•	•	•		•			
TWO COMPONENT SILICATES	CarboThix	•	•	•		•			
	GeoFoam		•		•		•		
PUMPABLE GROUTS	TekCrib		•						•
	TekSeal				•				
	Celbex 653				•		•		•
	Tekflex		•				•		•
SPRAYED	Tekflex Dry Spray		•				•		•
MEMBRANES AND	Tekflex PM		•						
COATINGS	Tekcrete Fast / Fast M								
	Tekcrete Pro Tekcrete Pro 1500								
BOLTS	Continuous Threadbar	•							
	Expandable (EXRB) Bolts								
	Friction Bolts								
	Self Drilling Anchors								
	GFRP Bolts	•							

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OUR VERSATILE PORTFOLIO ALLOWS YOU TO CHOOSE THE MOST SUITABLE PRODUCTS FOR YOUR UNDERGROUND **MINING OPERATIONS.**

PRODUCT NAME	PRODUCT CHARACTERISTICS	PRODUCT APPLICATION			
LOKSET®	Reinforced polyester resin and catalyst Upon mixing the two components undergo a chemical reaction and set rapidly	 Used for simplified anchoring/grouting Eliminates need for injection equipment 			
CARBOSTOP 102	 Water-reactive, one-component polyurethane resin Solvent and CFC-free Ultra-low viscosity CarboStop 102 ACC accelerator added to control reaction times as required 	 Stopping water inflow (also salt water) Stabilisation and water sealing of loose rock Grouting of fine to medium-fine grained sands and gravel Fixing of anchors & injection of cracks 			
CARBOPUR WFA	 Extremely fast reacting two-component polyurethane injection resin Foams in the presence of water Hardens unfoamed when water is not present 	Seals strong water ingress, e.g. construction pits, pipelines, shafts, and tunnels			
CARBOPUR WS	 Fast reacting two-component polyurethane injection resin Foams in the presence of water Hardens unfoamed when water is not present 	 Curtain injection in tunnels, dams, or on shaft walls Seals against water Stabilises, consolidates and repairs of cracks and/or fissures 			
GEOFLEX	 Non-expanding, elasticized two-component silicate resin Good adhesion even on moist surfaces Cured resin is resistant to acid, brine, and saline solutions as well as many organic solvents 	 Consolidation of unstable areas in tunnelling Bonding of injection bolts e.g. SDA/Hollow bar steel bolts or FiReP GFRP bolts Can be applied in fine cracks (fractions of millimetres) 			
CARBOTHIX	 Very fast curing two-component silicate resin Immediate loading capacity Full encapsulation of anchors 	 Grouting of injection bolts Anchoring steel and GFRP bolt			
GEOFOAM	 Two-component silicate resin Rapidly reacting and strongly expanding High foaming factor Injection against water flow possible 	 Used for both strata injection and cavity filling Immediate stabilisation via strata injection or cavity filling applications 			
TEKCRIB	 Roof support system requiring minimal installation time Non-combustible, simple Cementititious foam Gelling within minutes 	 Ground control Standing support			
TEKSEAL	 Cement-based non-flammable chemical grout product that forms a low-density foam when mixed with water Begins to gel in minutes Non-toxic Non-combustible product 	Can be used for general void filling behind tunnel linings and the construction of lightweight barriers, bulkheads and stoppings			
CELBEX 653	 Thixotropic stabilizer for cement grouts Enables cement grouts to be used in moving water conditions 	 Ideal for stabilizing cement grouts and cement grout blends Used for pumping into cavities or fissures subject to water flow Grouting secondary tunnel cavities 			

PRODUCT NAME	PRODUCT CHARACTERISTICS	PRODUCT APPLICATION		
TEKFLEX	 Excellent tensile strength with high flexibility maintains coating integrity Excellent adhesion to rock surface assures long life coating Easily applied using standard equipment Non-toxic and non-flammable No unusual storage or ventilation requirements during application, clean up or waste disposal 	Patented high tensile strength sealant coating specially designed to permanently stabilize the integrity of rock structures accommodating the stresses associated with strata movement while providing a barrier to moisture degradation		
TEKFLEX DRY SPRAY	Cement-based spray material designed with superb flexibility, high tensile strength and excellent adhesive qualities	Enhances the structural integrity of the rock and forms an impervious barrier, which eliminates the degrading effects of weathering		
TEKFLEX PM	 Non-shrinking cement that dries to a durable off- white finish Contains polymer latex for superior adhesion 	Suited for large remediation or preventative sealing projects		
TEKCRETE FAST / FAST M	 Ultra-rapid hardening, high performance dry process shotcrete Structural strength achieved in a few minutes The high modulus polymer fibers are safer to handle than steel or fiberglass fibers Superior adhesion and rapid rate of strength gain allows high build 	 Emergency application of structural support For use in conventional, dry-process shotcrete equipment 		
TEKCRETE PRO	Blend of micro-silica enhanced cement and carefully graded aggregates resulting in a high build, dense, low absorption shotcrete mortar	 Ideal for large vertical and overhead structural repairs where a reliable dry process shotcrete or gunite is required Tunnel linings, bridge and parking structures, supporting columns and beams, seawalls, dams 		
TEKCRETE PRO 1500	Blend of special cements, additives and carefully graded aggregates resulting in a fast hardening, high strength, 8500 psi, high build, dense, low absorption gunite	Ideal for large vertical and overhead structural repairs where a rapid hardening product is needed		
CONTINUOUS THREADBAR	Works much like Tension Rebar Bolts, but with the added benefit of being threaded the entire length of the bar, allowing for more versatility if ground conditions change	• Anchoring		
EXPANDABLE (EXRB) BOLTS	Consists of a folded steel tube with upper bushing and inflation bushing welded at each end of the tube. A specially designed adjustable face plate is delivered as an option.	Anchoring		
FRICTION BOLTS	 Minova's Friction Bolt is manufactured from high- strength steel and in accordance with ASTM F432- 13, where applicable. For increased protection against corrosion, the Friction Bolt can be galvanized 	Anchoring		
SELF DRILLING ANCHORS	The system features a hollow bar, which is used as a drill string for drilling and anchored with Minova resin or grout solutions	AnchoringMicropilingSoil and rock nailing		
GFRP BOLTS	Ideal alternative to steel products where there is a high presence of aggressive water in the ground and/ or there is a requirement for cutting post-installation e.g. TBM	 Anchoring Structural repair and reinforcement 		

Product Details

Minova Americas Mining Solutions

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SECURING PERFORMANCE. TOGETHER.

MINOVA USA INC. 150 Summer Ct

150 Summer Co Georgetown KY 40324 United States T: +1 800-626-2948
E: globalmarketing@minovaglobal.com
W: minovaglobal.com/americas

