

MINOVA RESIN & CEMENT SOLUTIONS.

**CAPSULE RESINS • POLYURETHANES • SILICATES
ACRYLATE GELS • CEMENTITIOUS POWDERS**

SECURING CONSTRUCTION. TOGETHER.

Minova is a global manufacturer of cementitious and resin injection materials for the construction sector in both refurbishment and new build projects.

WHERE IN THE UK?

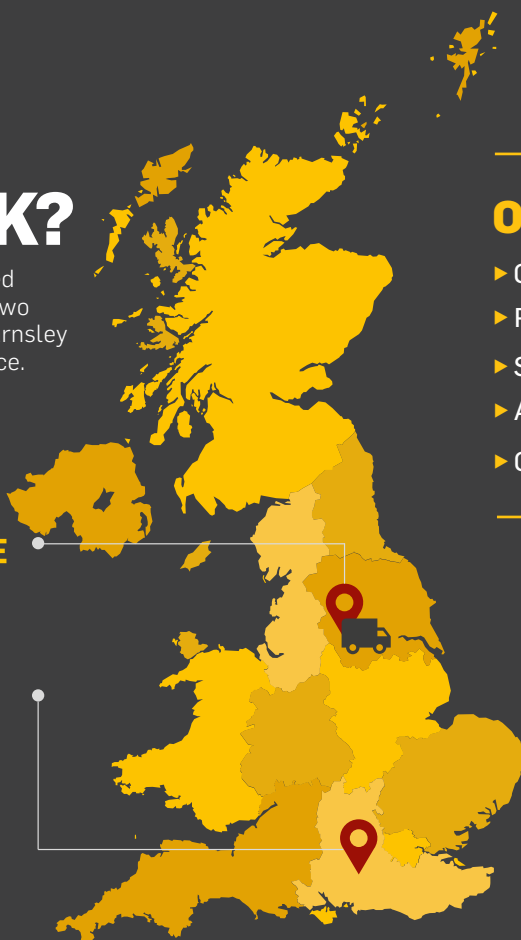
Our products are distributed nationwide in the UK, with two hubs, the Minova HQ and Barnsley distribution centre and office.

DISTRIBUTION CENTRE & OFFICE

Barnsley, Yorkshire

HEADQUARTERS

Weybridge, Surrey



OUR PRODUCTS

- ▶ CAPSULE RESINS
- ▶ POLYURETHANES
- ▶ SILICATES
- ▶ ACRYLATE GELS
- ▶ CEMENTITIOUS POWDERS

2

OFFICES

1

DISTRIBUTION
CENTER

WHY CHOOSE US?



Materials
stocked in the UK



Training &
ongoing support

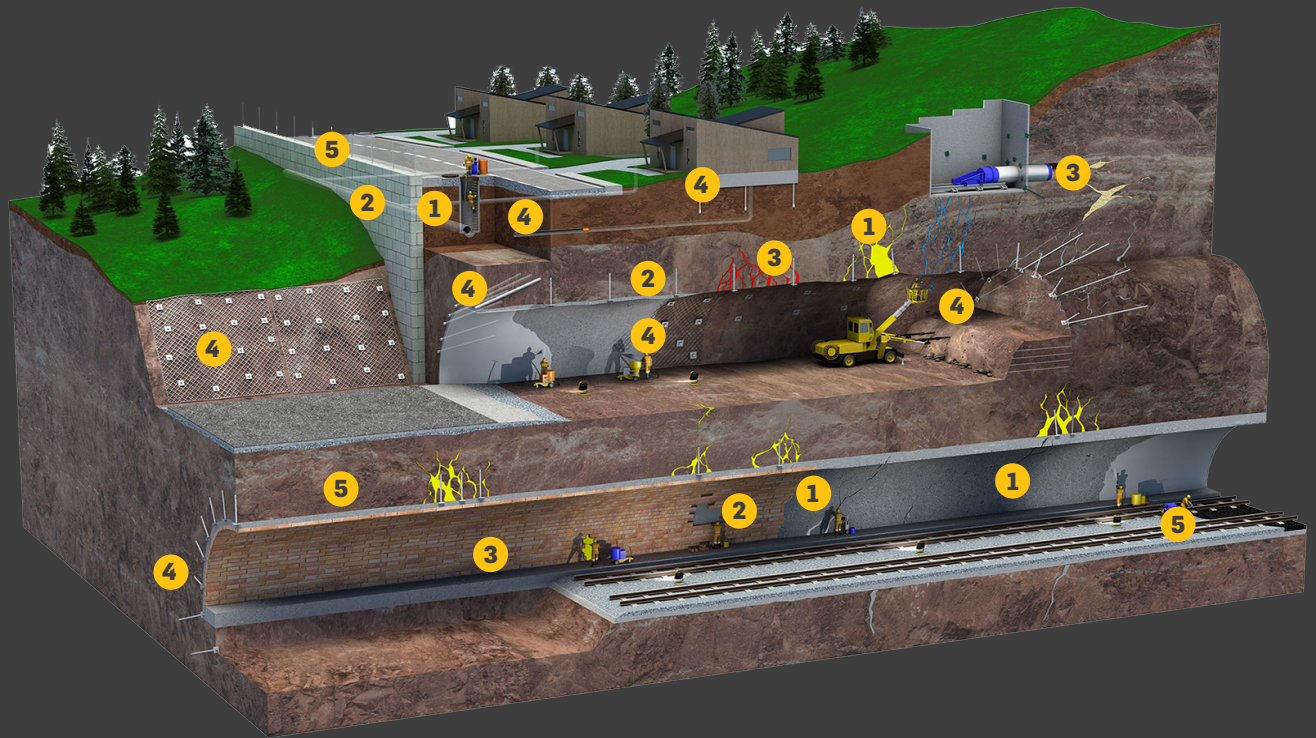


Project referrals



Equipment and
accessories provided

APPLICATIONS.



WHAT DO OUR PRODUCTS DO?

1

STOP WATER INGRESS

We stock a range of products, specially formulated, to stop water ingress.



2

SEAL CRACKS AND JOINTS

Our products not only seal rigid and passive cracks, they can also be used to seal movement joints.



3

FILL VOIDS

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



4

SECURE BOLTS

Our resin and powder grouts anchor our range of bolts, providing you with the support you need.



5

CONSOLIDATE AND STABILISE GROUND

Minova grouts achieve ultimate ground consolidation and stabilisation.



PRODUCTS BY APPLICATION.

PRODUCT FAMILY	PRODUCT NAME	ANCHORING	GROUND CONSOLIDATION & STABILISATION	ROCK CONSOLIDATION	CAVITY FILLING	CRACK REPAIR	GAS OR WATER CONTROL	HEAVY WATER INGRESS	SEWER REPAIR
CAPSULE RESINS	Lokset®	●	●	●					
ONE COMPONENT POLYURETHANES	CarboStop 42		●	●			●		
	CarboStop 102		●				●		●
	CarboStop 402		●				●		
TWO COMPONENT POLYURETHANES	CarboPur WF		●			●	●		
	CarboPur WFA		●				●	●	
	CarboPur WS		●			●	●		
	CarboPur WT						●	●	
	CarboPur WX	●	●	●		●			
TWO COMPONENT SILICATES	CarboThix 2 / Standard	●							
	GeoFlex	●	●			●			
	GeoFlex BB		●	●		●			
	GeoFoam		●		●		●		
	WilkitFoam T		●			●	●		
THREE COMPONENT SILICATES	CarboLith PL							●	
ACRYLATE GELS	CarboCryl HV		●			●	●		
	Carbocryl WV		●			●			
CEMENTITIOUS POWDERS	DuraFoam			●	●				
	CT-2								
	CT-6	●		●	●		●		●

PRODUCT DETAILS.

**OUR VERSATILE PORTFOLIO
ALLOWS YOU TO CHOOSE
THE MOST SUITABLE
PRODUCTS FOR YOUR CIVIL
CONSTRUCTION WORKS.**

PRODUCT NAME	PRODUCT CHARACTERISTICS	PRODUCT APPLICATION
LOKSET®	<ul style="list-style-type: none"> Reinforced polyester resin and catalyst Upon mixing the two components undergo a chemical reaction and set rapidly 	<ul style="list-style-type: none"> Used for simplified anchoring/grouting Eliminates need for cumbersome injection equipment
CARBOSTOP 42	<ul style="list-style-type: none"> Water-reactive, one-component polyurethane resin Solvent and CFC-free CarboStop 42 ACC accelerator added to control reaction times as required 	<ul style="list-style-type: none"> Grouting of fine to very fine hair line cracks and water-carrying sands or porous materials Used for deep injecting, fixing of anchors, stabilisation and sealing of loose rock, stoppage of water inflow (also salt and high pressure water) and injecting of man-accessible sewers
CARBOSTOP 102	<ul style="list-style-type: none"> Water-reactive, one-component polyurethane resin, Solvent and CFC-free Ultra-low viscosity CarboStop 102 ACC accelerator added to control reaction times as required 	<ul style="list-style-type: none"> 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 and honeycombs Injection of man accessible sewer lines and tubes
CARBOSTOP 402	<ul style="list-style-type: none"> Water-reactive, one-component polyurethane resin High flexibility and elasticity Solvent and CFC-free CarboStop 402 ACC accelerator added to control reaction times as required 	<ul style="list-style-type: none"> Stopping of water inflow (also salt water) Sealing of loose rock, sealing of cracks and expansion joints in bridges and concrete structures Deep injection, grouting of medium-fine to larger cracks, fissures and honeycombs Injection of man-accessible sewers where high elasticity and flexibility is required
CARBOPUR WF	<ul style="list-style-type: none"> Fast reacting two-component polyurethane injection resin Foams upon contact with water Hardens unfoamed when not in contact with water 	<ul style="list-style-type: none"> Sealing against water under hydrostatic pressure from strata, dams or shaft walls Sealing and consolidation in water-bearing strata and against water under pressure
CARBOPUR WFA	<ul style="list-style-type: none"> Extremely fast reacting two-component polyurethane injection resin Foams in the presence of water Hardens unfoamed when water is not present 	<ul style="list-style-type: none"> Seals strong water ingress, e.g. construction pits, pipelines, shafts, and tunnels
CARBOPUR WS	<ul style="list-style-type: none"> Fast reacting two-component polyurethane injection resin Foams in the presence of water Hardens unfoamed when water is not present 	<ul style="list-style-type: none"> Curtain injection in tunnels, dams, or on shaft walls Seals against water Stabilises, consolidates and repairs of cracks and/or fissures
CARBOPUR WT	<ul style="list-style-type: none"> Fast reacting thixotropic two-component polyurethane injection resin 	<ul style="list-style-type: none"> Sealing against water under hydrostatic pressure from strata, dams or shaft walls, repair of wet shafts, tunnels, channels and walls Sealing of under water concrete sheet pilings and diaphragm walls
CARBOPUR WX	<ul style="list-style-type: none"> Slow reacting two-component polyurethane injection resin Long pot life Accelerated curing as soon as it comes into contact with water 	<ul style="list-style-type: none"> Stabilisation in wet or water bearing rock formations. Seals water tributaries from rock formations, dams, or shaft walls Renovation of wet shafts, tunnels, sewers, or brickwork

PRODUCT NAME	PRODUCT CHARACTERISTICS	PRODUCT APPLICATION
CARBOTHIX 2	<ul style="list-style-type: none"> Instantly thickening (thixotropic) fast curing two-component silicate resin Developed for installation of rock and cable bolts into strata and for consolidation injection works in disrupted strata 	<ul style="list-style-type: none"> Pumpable resin which enables the load to be taken up in minutes rather than the typical 24-48 hours required for cementitious grouted systems. Used for grouting of cable bolts, solid steel or GFRP bolts, self-drilling anchors and one step bolting operations in automated mode or for consolidation injection works in direct overburden
GEOFLEX	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Consolidation of unstable areas in tunnelling Consolidation and stabilization of drift Bonding of injection bolts e.g. SDA/Hollow bar steel bolts or FiReP GFRP bolts Applied on fine cracks (fractions of millimetres)
GEOFLEX BB	<ul style="list-style-type: none"> Elastified two-component silicate resin Non-foaming Low viscosity High bonding strength Once cured, the product is resistant to acidic and alkali materials Pumpable and sprayable product 	<ul style="list-style-type: none"> Ballast stabilisation for points and insulated rail joints Stabilisation of road and bridge embankments Stabilisation of base and sub-base layers
GEOFOAM	<ul style="list-style-type: none"> Two-component silicate resin Rapidly reacting and strongly expanding High foaming factor Injection against water flow possible Low reaction temperature 	<ul style="list-style-type: none"> Used for both strata injection and cavity filling Immediate stabilisation via strata injection or cavity filling applications
WILKITFOAM T	<ul style="list-style-type: none"> Rapidly reacting silicate resin Strongly expanding foam filler Suitable for spray-on applications CFC- free 	<ul style="list-style-type: none"> Rapid filling of cavities, consolidation and sealing in strata and soil Stopping of water intrusions Stabilisation of cavities caused by rock falls in tunnelling
CARBOLITH PL	<ul style="list-style-type: none"> Three-component non-foaming elasticised silicate resin Excellent adhesion properties 	<ul style="list-style-type: none"> Used for the application of liners for spot repair in sewers

PRODUCT NAME	PRODUCT CHARACTERISTICS	PRODUCT APPLICATION
CARBOCRYL HV	<ul style="list-style-type: none"> Hydrophilic, cross-linked two- component methacrylate gel. 	<ul style="list-style-type: none"> For crack injection repairs in concrete in combination with Carbocryl Plus. Other uses include curtain grouting, brickwork injection, or as an effective horizontal barrier and/or the stabilisation of sandy or silty soil
CARBOCRYL WV	<ul style="list-style-type: none"> Three-component methacrylate gel Fast sealing hydrophilic gel Does not contain acrylamide or its derivatives Excellent penetration capacity due to water-like viscosity Chemical resistance vs. most organic, or inorganic liquids 	<ul style="list-style-type: none"> Used for water sealing Used to grout curtains in soil Joint repair and joint sealing
DURAFOAM	<ul style="list-style-type: none"> A high yield, single component mineral and cement-based binder After blending with the appropriate amount of water and foaming in a suitable machine (WT800 or similar), it sets to become a durable grout 	<ul style="list-style-type: none"> Building of ventilation and explosion resistant seals Building of isolation and backfill walls Filling backfill voids, cavities and sealing of galleries
CT-2	<ul style="list-style-type: none"> One-component cement-based mortar Ready to use after mixing with batched water High quality aggregate up to 2 mm and modified with additives and polymers (PCC / SPCC) The material is dedicated for wet-process spraying as well as for manual repairs of concrete 	<ul style="list-style-type: none"> Repair and reconstruction of concrete and reinforced concrete Sealing and reinforcing of sidewalls, floor and roof of mining excavations, reservoirs and tunnels Structural concrete repair in aggressive environment Wet spray concrete
CT-6	<ul style="list-style-type: none"> One-component cement-based mortar Ready to use after mixing with batched water High quality aggregate up to 8 mm and modified with additives and polymers (PCC / SPCC). The material is dedicated for wet-process spraying as well as for manual repairs of concrete 	<ul style="list-style-type: none"> Repair and reconstruction of concrete and reinforced concrete Sealing and reinforcing of sidewalls, floor and roof of mining excavations, reservoirs and tunnels Structural concrete repair in aggressive environment Wet spray concrete
CARBOSOLV S	<ul style="list-style-type: none"> Lubricant based on synthetic esters. Readily biodegradable Compatible with standard sealing materials such as Viton, FPM, HBNR, AU, NBR 	<ul style="list-style-type: none"> Used for lubricating and preserving injection pumps
CARBOSOLV D	<ul style="list-style-type: none"> Solvent blend based on bi-carbonic acid esters High polarity Environmentally friendly 	<ul style="list-style-type: none"> Cleaner for polyurethane applications Used especially for flushing and cleaning pumps and hoses

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