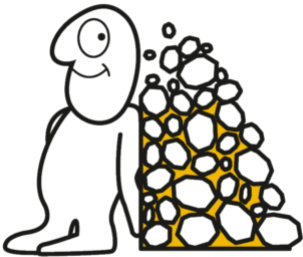


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SOIL, ROCK STABILIZATION

stabilization and strengthening avoid damages



The stabilisation of soil and rock depends on the structure of the soil or substrate itself. The material in question is classified into the inject ability. Fine sand with low pore volume need other injection materials like loose pebbles or rock with high pore volume between the loose parts.

Depending on the pore volume of the building material to be consolidated, one can choose between mineral injection products, polyurethane resins or foams, as well as organo mineral resins and gels. This wide range guarantee the availability of a suitable product for each case. Also products suitable for wet substrates.

SOIL, ROCK STABILIZATION

PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
GeoRock 185	Injection Mortar Screw Pump	Cavity Filling Internal Strengthening Soil, Rock Stabilization	Ultra Fine Geopolymer Excellent Adhesion Waterproof Early Resilient Fast Setting
PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
HydroBloc 510	PUR Foam 1 Component Pump	Waterstop Soil, Rock Stabilization Cavity Filling Waterproofing Injection	High Foam Factor Micro Pores Rapid Reaction Fast Setting Stable

PRODUCT NAME

HydroBloc 510 Integral

TECHNOLOGY

PUR Foam

1 Component Pump

APPLICATION

Waterstop

Soil, Rock Stabilization

Cavity filling

Waterproofing Injection

BENEFIT

High Foam Factor

Micro Pores

Rapid Reaction

Fast Setting

Stable

PRODUCT NAME

Hydrobloc 516

TECHNOLOGY

PUR Foam

2 Component Pump

APPLICATION

Waterstop

Filling Wide Cracks

Filling Wide Joints

Cavity Filling

Soil, Rock Stabilisation

Waterproofing Injection

BENEFIT

Rigid Foam

Fast Reaction

Waterproof

High Foam Ratio

Tough

High Compressive Strength

PRODUCT NAME

HydroSoil 517

TECHNOLOGY

PUR Resin

1 Component Pump

APPLICATION

Crack Injection

Horizontal Barrier

Internal Strengthening

Soil, Rock Stabilization

Waterproofing Injection

BENEFIT

Low Viscous

Ready To Use

Integral Technology

PRODUCT NAME

HydroBloc AC 555

TECHNOLOGY

Acrylate Resin

1 Comp. Pump

APPLICATION

Crack Injection

Facade Injection

Working Joint Sealing

Honeycomb Concrete Injection

Injection Tube Injection

Contact Grouting

Internal Strengthening

Soil, Rock Stabilization

Waterproofing Injection

Hollow Screed, Tiles

BENEFIT

Low Temperature Use <0°C

Contact Grouting

Cleaning With Water

PRODUCT NAME

HydroBloc OM 591

TECHNOLOGY

Organo Mineral Resin

Silicate Resin

2 Component Pump

APPLICATION

Anchor Bonding, Fixing

Tunnel Face Consolidation

Tunnel Umbrella Injection

Tunnel Face Pre-Injection

Soil, Rock Stabilization

Waterstop

Waterproofing Injection

BENEFIT

Excellent Adhesion

Non-Foaming

Shrink-Free

Fast Setting

Early Strength

PRODUCT NAME

HydroBloc OM 593

TECHNOLOGY

Organo Mineral Foam

Silicate Foam

2 Component Pump

APPLICATION

Anchor Bonding, Fixing

Tunnel Face Consolidation

Tunnel Umbrella Injection

Tunnel Face Pre-Injection

Soil, Rock Stabilization

Waterstop

Waterproofing Injection

BENEFIT

Excellent Adhesion

Shrink-Free

Foam Factor 2-3

Fast Setting

Early Strength

PRODUCT NAME

Planfloor 595

TECHNOLOGY

Organo Mineral Resin

Silicate Resin

2 Component Pump

APPLICATION

Underpinning, Lifting

Tunnel Consolidation

Cavity Filling

Soil, Rock Stabilization

Contact Grouting

BENEFIT

Controlled Reaction

Non-Foaming

Precise Handling

Shrink-Free

PRODUCT NAME

HydroBloc OM 597

TECHNOLOGY

Organo Mineral Resin

Silicate Resin

2 Component Pump

APPLICATION

Tunnel Face Consolidation

Tunnel Umbrella Injection

Tunnel Face Pre Injection

Tunnel Consolidation

Soil, Rock Stabilization

Cavity Filling

Coal Mining

Waterstop

BENEFIT

Non-Flammable

Low Reaction Temperature

Shrink-Free

PRODUCT NAME

HydroBloc 620 nV

TECHNOLOGY

PUR Foam

1 Component Pump

APPLICATION

Waterstop

Foundation Pit Sealing

Crack Injection

Soil, Rock Stabilization

Cavity filling

Waterproofing Injection

BENEFIT

Medium Active

Micro Pore

Adjustable Flexibility

PRODUCT NAME

HydroBloc PU 641-T

TECHNOLOGY

PUR Resin

2 Component Pump

APPLICATION

Tunnel Face Consolidation

Tunnel umbrella injection

Tunnel Face Pre-injection

Soil, Rock Stabilization

Cavity filling

Waterstop

Contact Grouting

Tunnel Consolidation

BENEFIT

Rapid Curing

High Strength

Thixotropic

Excellent Adhesion

Foaming

PRODUCT NAME

HydroBloc PU 641

TECHNOLOGY

PUR Resin

2 Component Pump

APPLICATION

Tunnel Face Consolidation

Tunnel umbrella injection

Tunnel Face Pre-injection

Soil, Rock Stabilization

Cavity filling

Waterstop

Contact Grouting

Tunnel Consolidation

BENEFIT

Rapid Curing

High Strength

Excellent Adhesion

Foaming

PRODUCT NAME

HydroBloc 644

TECHNOLOGY

PUR Resin

2 Component Pump

APPLICATION

Tunnel Face Pre-Injection

Soil, Rock Stabilization

BENEFIT

Fast Reaction

High Strength

Excellent Adhesion

Foaming

PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
HydroBloc Polygrout 650	PUR Gel 2 Component Pump	Curtain injection Waterstop Waterproofing Injection Sheet pile wall Sealing Slurry wall Sealing Bored pile wall Sealing Canal, Shaft Repair Tunnel Face Consolidation Tunnel umbrella injection Soil, Rock Stabilization	Concentrate Elastic Tear Resistant Swellable
PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
HydroBloc Polygel PU 660	PUR Gel 2 Component Pump	Curtain injection Waterstop Waterproofing Injection Sheet pile wall Sealing Slurry wall Sealing Bored pile wall Sealing Canal, Shaft Repair Tunnel Face Consolidation Tunnel umbrella injection Soil, Rock Stabilization	Standard 2 Comp. Pump Elastic Tear Resistant Fast Curing Swellable
PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
SiliBond SI 711	Silicate Gel 2 Component Pump	Bottom Sealing Soil, Rock Stabilization Cavity Filling Foundation Pit Sealing Waterproofing Injection Curtain Injection	PH Neutral No Alkalinity No Syneresis Drinking Water Certificate Ecologically Harmless
PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
SiliBond Si 714 reactive	Silicate Gel 1 & 2 Component Pump	Soil Stabilization Curtain Injection Tunnel Face Pre-Injection Tunnel Umbrella Injection Ground Stabilisation Foundation Pit Sealing Bottom Sealing	Low Viscosity No Shrinking Rigid Waterproofing Stone Like Material Strengthening
PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
Calsil 972	Mortar Screw Pump G4 Pump	Stabilisation Strengthening Cavity Filling Historic Monuments Concrete Rock Masonry	No Sedimentation No Shrinking Perfect Spread Excellent Adhesion Perfect Penetration Stress Relieved Puzzolanic Reaction

PRODUCT NAME

DustControl 984

TECHNOLOGYPolymer Resin
1 Comp. Pump**APPLICATION**Dust From Soil Heaps
Dust From Landfills
Dune Stabilisation
Anti Erosion
Prevents Wind Transport Of Sand**BENEFIT**Non Hazardous Substanc
No Solvents
Doesn't Prevent Germination And
Growth**PRODUCT NAME**

BOROX AC-1009

TECHNOLOGYAcrylate Resin
1 Component Pump**APPLICATION**Facade Injection
Internal Strengthening
Soil, Rock Stabilization
Hollow Screed, Tiles**BENEFIT**100% Solid Low Temperature Use
<0°C
Wet Environment
Ultra Low Viscous
UV-Resistant**PRODUCT NAME**

HydroBloc Schaum 1200

TECHNOLOGYPUR Foam
2 Component Pump**APPLICATION**Waterproof Injection
Cavity Filling
Waterstop
Soil, Rock Stabilization
Tunnel Face Consolidation
Tunnel Umbrella Injection
Tunnel Face-Pre-Injection**BENEFIT**Low Viscous
Fast Reaction
Good Foaming Capacity
Excellent Penetration**PRODUCT NAME**

HydroBloc Schaum 1201

TECHNOLOGYPUR Foam
2 Component Pump**APPLICATION**Coal Mining
Cavity Filling
Waterstop
Soil, Rock Stabilisation
Tunnel Face Consolidation
Tunnel Umbrella Injection
Tunnel Face-Pre-Injection**BENEFIT**Self Extinguishing
Low Viscous
Fast Reaction
Good Foaming Capacity
Excellent PenetrationARCAN GmbH
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