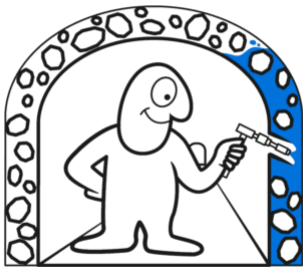


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TUNNEL INJECTION

tunnel umbrella injection, tunnel face pre-injection and tunnel face consolidation



Tunnel umbrella injecton and screen injection in tunnel or gallery are made to waterproof and seal. The rock or substrate to be secured is differentiated according to its pore volume, which determines the choice of the injection material. ARCAN OM resins stabilise and consolidate rock, gravel and coarse sand. For substrates with fine pores, BoRox AC and HydroBloc AC are the first choice because of their excellent penetration and stabilization properties. Cavities or caverns are filled with foam, mortar or resin, depending on their size, condition and location.

TUNNEL INJECTION

PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
HydroBloc Polygel 530	Acrylate Gel 1 & 2 Component Pump	Waterstop Curtain Injection Foundation Pit Sealing Joint Sealing Crack Injection Canal, Shaft Repair Tunnel Injection Waterproofing Injection	Setting Between 10s – 120 Minutes Excellent Penetration Controlled Swellability Easy Processing Non Toxic Chemical Resistance Mechanical Resistance
PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
HydroBloc Polyblend 540	Acrylate Additive 1 & 2 Component Pump	Waterstop Curtain Injection Foundation Pit Sealing Joint Sealing Crack Injection Canal, Shaft Repair Tunnel Injection Waterproofing Injection	Elasticity Tear Resistance Reduced Shrinkage

PRODUCT NAME

HydroBloc Rapid 570

TECHNOLOGYInjection Rubber
2 Component Pump**APPLICATION**Dilatation Joint Sealing
Waterstop
Waterproofing Injection
Sheet Pile Wall Sealing
Slotted Wall Sealing
Slurry Wall Sealing
Tunnel Injection
Flexible Filling, Sealing**BENEFIT**Swellable
Injection Rubber
Tear Tesistance
Non Foaming
Rapid Reaction
Pore Free Structure
Single Shot System**PRODUCT NAME**

HydroBloc OM 591

TECHNOLOGYOrgano 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

TECHNOLOGYOrgano 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**

HydroBloc OM 597

TECHNOLOGYOrgano 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 PU 641-T

TECHNOLOGYPUR 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

HydroBloc Polygrout 650

TECHNOLOGY

PUR Gel

2 Component Pump

APPLICATION

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

BENEFIT

Concentrate

Elastic

Tear Resistant

Swellable

PRODUCT NAME

HydroBloc Polygel PU 660

TECHNOLOGY

PUR Gel

2 Component Pump

APPLICATION

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

BENEFIT

Standard 2 Comp. Pump

Elastic

Tear Resistant

Fast Curing

Swellable

PRODUCT NAME

SiliBond Si 714 reactive

TECHNOLOGY

Silicate Gel

1 & 2 Component Pump

APPLICATION

Soil Stabilization

Curtain Injection

Tunnel Face Pre-Injection

Tunnel Umbrella Injection

Ground Stabilisation

Foundation Pit Sealing

Bottom Sealing

BENEFIT

Low Viscosity

No Shrinking

Rigid

Waterproofing

Stone Like Material

Strengthening

PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
HydroBloc Schaum 1201	PUR Foam 2 Component Pump	Coal Mining Cavity Filling Waterstop Soil, Rock Stabilisation Tunnel Face Consolidation Tunnel Umbrella Injection Tunnel Face-Pre-Injection	Self Extinguishing Low Viscous Fast Reaction Good Foaming Capacity Excellent Penetration

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