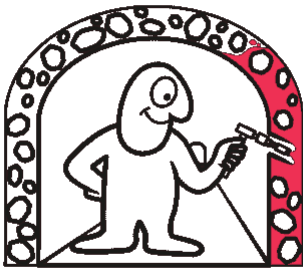


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TUNNEL CONSOLIDATION

rock and soil strengthening and stabilization



Structural solidification in tunnel is quite special. Face consolidation and umbrella injection in tunnelling or gallery driving secure fault zones. They secure brittle mountains and rocks. The rock or substrate to be secured is differentiated according to its pore volume, which determines the choice of the injection material. ARCAN organo mineral resins stabilise and consolidate rock, gravel and coarse sand. For substrates with fine pores, BoRox AC is the first choice. For the filling of cavities and caverns the choice to be made between foam and organo mineral resins.

TUNNEL CONSOLIDATION

PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
Planfloor 595	Organo Mineral Resin Silicate Resin 2 Component Pump	Underpinning, Lifting Tunnel Consolidation Cavity Filling Soil, Rock Stabilization Contact Grouting	Controlled Reaction Non-Foaming Precise Handling Shrink-Free
PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
HydroBloc OM 597	Organo Mineral Resin Silicate Resin 2 Component Pump	Tunnel Face Consolidation Tunnel Umbrella Injection Tunnel Face Pre Injection Tunnel Consolidation Soil, Rock Stabilization Cavity Filling Coal Mining Waterstop	Non-Flammable Low Reaction Temperature Shrink-Free

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 Schaum 1200	TECHNOLOGY PUR 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

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