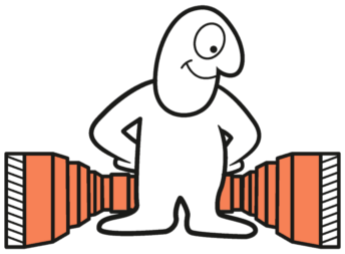
+49 6239 - 99 78 20
office@arcan.biz

Image not found or type unknown

FOUNDATION PIT SEALING

wall and bottom sealing against water seepage and water inrush in sheet pile-, slotted-, bored pile- or slurry wall



Damaged sheet-pile interlocks can lead to significant water ingress into excavation pits. ARCAN Single-Shot injection systems provide a practical solution by using a highly elastic injection resin to stop water ingress and seal the affected area without requiring a combination of foam and resin. HydroBloc® Rapid 570 is one of the ARCAN systems developed for demanding water-stopping applications.

Seepage, leaks and significant water ingress through diaphragm walls and bored-pile walls can be treated with fast-reacting, swellable injection systems.

Conventional sodium-aluminate-based bottom-sealing systems are highly alkaline. SiliBond® SI 711 is an alternative silicate injection material without the high alkalinity typically associated with these systems. It is intended for excavation-pit bottom sealing and soil stabilisation.

FOUNDATION PIT SEALING

PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
HydroBloc Quellschaum 500-15	Swellable Elastic Foam 2 Component Pump	Dilatation Joint Sealing Waterproofing Injection Waterstop Sheet Pile Wall Sealing Slurry wall sealing Cavity Filling Flexible Filling, Sealing	Single Shot Systems Flexible Swellable No Pores No Shrinkage

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 Water-Based Chemical Resistance Mechanical Resistance
PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
SiliBlend 535.2	Acrylate Additive 2 Component Pump	Waterstop Sheet Pile Wall Slurry Wall Sealing Bored Pile Wall Sealing Cavity Filling Spray Membrane	Swellable Stone Like Material Fast Setting
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	TECHNOLOGY	APPLICATION	BENEFIT
HydroBloc Rapid 570	Injection Rubber 2 Component Pump	Dilatation Joint Sealing Waterstop Waterproofing Injection Sheet Pile Wall Sealing Slotted Wall Sealing Slurry Wall Sealing Tunnel Injection Flexible Filling, Sealing	Swellable Injection Rubber Tear Tesistance Non Foaming Rapid Reaction Pore Free Structure Single Shot System
PRODUCT NAME	TECHNOLOGY	APPLICATION	BENEFIT
HydroBloc 620 nV	PUR Foam 1 Component Pump	Waterstop Foundation Pit Sealing Crack Injection Soil, Rock Stabilization Cavity filling Waterproofing Injection	Medium Active Micro Pore Adjustable Flexibility

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	Adjustable setting time Low syneresis Silicate-based system

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

ARCAN GmbH
Kleinniedesheimer Str. 19
D-67240 Bobenheim-Roxheim
Germany

+49 6239 - 99 78 20
office@arcan.biz
arcan.biz

Image not found or type unknown