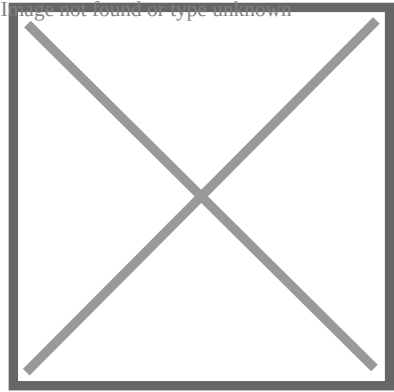
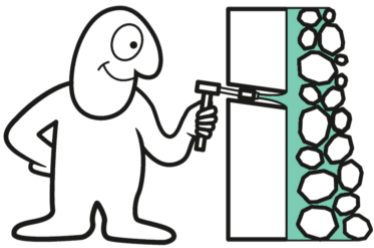


+49 6239 - 99 78 20
office@arcan.biz



CURTAIN INJECTION

is the injection of a waterproof layer, creating a sealing membrane around the building



Curtain injection is the injection of a waterproof layer, a so-called sealing membrane, directly behind the building structure. This waterproof layer forms a barrier between wall and soil, floor and soil or tunnel shell and rock. This layer is elastic and swellable in contact with water. The application behind the building structure is a gel curtain injection. Gel curtains create a gel membrane and seal floor slabs, walls and tunnel linings permanently.

Curtain injections, create a gel membrane outside the building structure and seal floor slabs and walls permanently. This cost efficient method seals without digging or excavation. The choice is between acrylate and polyurethane gels. With Polygel PU 660, ARCAN offers a PUR gel ready to use with a standard 2-component pump, alternatively a PUR gel concentrate is available. HydroBloc Polygel 530 acrylate based gel comes with clever additives and a new instant powder accelerator system which reduces the number of components. This system is suitable for all acrylate gel applications, from slow setting to fast setting, there is no need to change gel type, the choice of the suitable additive and or accelerator is sufficient.

CURTAIN 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 HydroBloc Polyblend 540	TECHNOLOGY Acrylate Additive 1 & 2 Component Pump	APPLICATION Waterstop Curtain Injection Foundation Pit Sealing Joint Sealing Crack Injection Canal, Shaft Repair Tunnel Injection Waterproofing Injection	BENEFIT Elasticity Tear Resistance Reduced Shrinkage
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 711	TECHNOLOGY Silicate Gel 2 Component Pump	APPLICATION Bottom Sealing Soil, Rock Stabilization Cavity Filling Foundation Pit Sealing Waterproofing Injection Curtain Injection	BENEFIT PH Neutral No Alkalinity No Syneresis Drinking Water Certificate Ecologically Harmless
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

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

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

