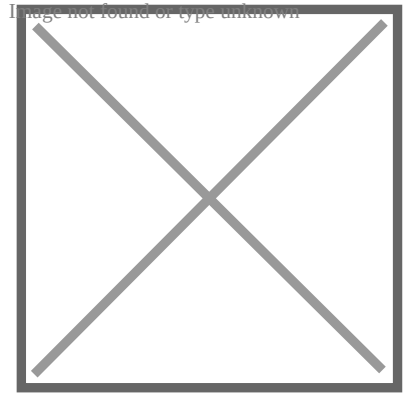
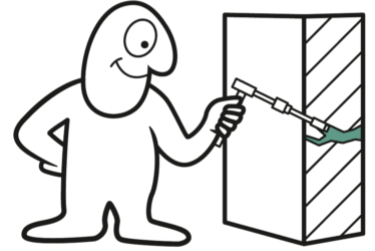


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## WATERPROOFING INJECTION

sealing of concrete, masonry, brick, rock and soil



ARCAN provides the biggest possible choice for waterproofing cracks, working joints, rock pockets or honeycombs and many other waterproofing tasks. Our wide range of injection resins from rigid to flexible and even water swellable resins, enable the best choice for a specific sealing problem.

ARCAN swellable resins are a long lasting success, the swellability provides extra security. While rigid resins may fail in case of movements, settlements or under vibrations a swellable resin moves with the building structure because of its natural flexibility and starts growing in case of water contact, this automatic repair effect brings extra security to your project. Integral injection resins are real one-component materials. These ready to use resins are fail safe, most efficient and cost saving. Integral technology save time and money.

ARCAN acrylate resins are no gels! Acrylate resins are 100% comparable to Polyurethane resins. They are suitable for the same type of applications such as crack injection, tube injection, joint sealing or honeycomb sealing. The difference lays in the benefits. Acrylate resins can be used below  $< 5^{\circ}\text{C}$ , a temperature range where Polyurethane and Epoxy resins stop working. Acrylate resins are much more sustainable than other resins because they do not need cleaning agents to clean equipment and pump. Cleaning with water is sufficient.

Injection resins in this application category are 100% solid and suitable for post-injection after waterstop foams.

## WATERPROOFING INJECTION

|                              |                        |                              |                           |
|------------------------------|------------------------|------------------------------|---------------------------|
| PRODUCT NAME                 | TECHNOLOGY             | APPLICATION                  | BENEFIT                   |
| HydroBloc PU 500             | PUR Resin              | Crack Injection              | Swellable                 |
|                              | 1 Component Pump       | Working Joint Sealing        | Elastic                   |
|                              |                        | Honeycomb Concrete Injection | Self-Repair Effect        |
|                              |                        | Injection Tube Injection     |                           |
|                              |                        | Waterstop                    |                           |
|                              |                        | Flexible Filling, Sealing    |                           |
|                              |                        | Foam Follow Up               |                           |
|                              |                        | Waterproofing Injection      |                           |
| PRODUCT NAME                 | TECHNOLOGY             | APPLICATION                  | BENEFIT                   |
| HydroBloc Quellschaum 500-15 | Swellable Elastic Foam | Dilatation Joint Sealing     | Single Shot Systems       |
|                              | 2 Component Pump       | Waterproofing Injection      | Flexible                  |
|                              |                        | Waterstop                    | Swellable                 |
|                              |                        | Sheet Pile Wall Sealing      | No Pores                  |
|                              |                        | Slurry wall sealing          | No Shrinkage              |
|                              |                        | Cavity Filling               |                           |
|                              |                        | Flexible Filling, Sealing    |                           |
| PRODUCT NAME                 | TECHNOLOGY             | APPLICATION                  | BENEFIT                   |
| HydroBloc PU 506             | PUR Resin              | Crack Injection              | Elastic                   |
|                              | 1 Component Pump       | Working Joint Sealing        | Low Viscous               |
|                              |                        | Honeycomb Concrete Injection | Excellent Penetration     |
|                              |                        | Injection Tube Injection     | Excellent Adhesion        |
|                              |                        | Waterstop                    |                           |
|                              |                        | Foam Follow Up               |                           |
|                              |                        | Waterproofing Injection      |                           |
| PRODUCT NAME                 | TECHNOLOGY             | APPLICATION                  | BENEFIT                   |
| HydroBloc 510                | PUR Foam               | Waterstop                    | High Foam Factor          |
|                              | 1 Component Pump       | Soil, Rock Stabilization     | Micro Pores               |
|                              |                        | Cavity Filling               | Rapid Reaction            |
|                              |                        | Waterproofing Injection      | Fast Setting              |
|                              |                        |                              | Stable                    |
| PRODUCT NAME                 | TECHNOLOGY             | APPLICATION                  | BENEFIT                   |
| HydroBloc 510 Integral       | PUR Foam               | Waterstop                    | High Foam Factor          |
|                              | 1 Component Pump       | Soil, Rock Stabilization     | Micro Pores               |
|                              |                        | Cavity filling               | Rapid Reaction            |
|                              |                        | Waterproofing Injection      | Fast Setting              |
|                              |                        |                              | Stable                    |
| PRODUCT NAME                 | TECHNOLOGY             | APPLICATION                  | BENEFIT                   |
| Hydrobloc 516                | PUR Foam               | Waterstop                    | Rigid Foam                |
|                              | 2 Component Pump       | Filling Wide Cracks          | Fast Reaction             |
|                              |                        | Filling Wide Joints          | Waterproof                |
|                              |                        | Cavity Filling               | High Foam Ratio           |
|                              |                        | Soil, Rock Stabilisation     | Tough                     |
|                              |                        | Waterproofing Injection      | 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 Polygel 530

**TECHNOLOGY**

Acrylate Gel

1 &amp; 2 Component Pump

**APPLICATION**

Waterstop

Curtain Injection

Foundation Pit Sealing

Joint Sealing

Crack Injection

Canal, Shaft Repair

Tunnel Injection

Waterproofing Injection

**BENEFIT**

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 &amp; 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 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 &lt;0°C

Contact Grouting

Cleaning With Water

**PRODUCT NAME**

HydroBloc Rapid 570

**TECHNOLOGY**

Injection 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 Integral 575

**TECHNOLOGY**

PUR Resin

1 Component Pump

**APPLICATION**

Crack Injection

Canal, Shaft Repair

Feedthrough Sealing

Foam Follow Up

Working Joint Sealing

Honeycomb Concrete Injection

Injection Tube Injection

Waterstop

Waterproofing Injection

Flexible Filling, Sealing

**BENEFIT**

Integral Technology

1 Comp. Resin

Ready To Use

Swellable

Elastic

100% Solid

Self Repair Effect

**PRODUCT NAME**

HydroBloc Injekt 583

**TECHNOLOGY**

Acrylate Resin

1 Component Pump

**APPLICATION**

Crack Injection

Facade Injection

Canal, Shaft Repair

Feedthrough Sealing

Foam Follow Up

Working Joint Sealing

Honeycomb Concrete Injection

Injection Tube Injection

Waterstop

Waterproofing Injection

**BENEFIT**

Excellent Penetration

Low Temperature Use &lt;0°C

Swellable

Elastic

Corrosion Prevention

Cleaning With Water

Non Foaming

Solid Resin-No Gel

Suitable For Humidity

**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**

HydroBloc 620 Integral

**TECHNOLOGY**

PUR Foam

1 Comp. Pump

**APPLICATION**

Crack Injection

Working Joint Sealing

Honeycomb Concrete Injection

Injection Tube injection

Waterproofing Injection

**BENEFIT**

INTEGRAL Technology

1 Component Resin

Ready To Use

Auto Injection

Hydroactive

Excellent Adhesion

**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**

HydroFlex 621 SuperFlex

**TECHNOLOGY**

PUR Foam

1 Component Pump

**APPLICATION**

Crack Injection

Canal, Shaft repair

Waterproofing Injection

Flexible Filling, Sealing

Flexibilized HydroFlex 620

Waterstop

**BENEFIT**

Additive

Micro Pores

Adjustable Flexibility

**PRODUCT NAME**

HydroFlex 622

**TECHNOLOGY**

PUR Foam

1 Component Pump

**APPLICATION**

Crack Injection

Waterstop

Cavity Filling

Waterproofing Injection

Canal, Shaft Repair

Flexible Filling

**BENEFIT**

Medium Active

Micro Pores

Flexible

**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          | TECHNOLOGY                       | APPLICATION                                                                                                                                                            | BENEFIT                                                                                            |
|-----------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| SiliBond SI 711       | Silicate Gel<br>2 Component Pump | Bottom Sealing<br>Soil, Rock Stabilization<br>Cavity Filling<br>Foundation Pit Sealing<br>Waterproofing Injection<br>Curtain Injection                                 | PH Neutral<br>No Alkalinity<br>No Syneresis<br>Drinking Water Certificate<br>Ecologically Harmless |
| PRODUCT NAME          | TECHNOLOGY                       | APPLICATION                                                                                                                                                            | BENEFIT                                                                                            |
| HydroBloc Schaum 1200 | PUR Foam<br>2 Component Pump     | Waterproof Injection<br>Cavity Filling<br>Waterstop<br>Soil, Rock Stabilization<br>Tunnel Face Consolidation<br>Tunnel Umbrella Injection<br>Tunnel Face-Pre-Injection | Low Viscous<br>Fast Reaction<br>Good Foaming Capacity<br>Excellent Penetration                     |

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