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PRODUCT CATALOGUE



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ABOUT RASCOR

RASCOR is a highly specialized corporate group operating in the fields of waterproofing, grouting technology and building/structure preservation and repair. Based in Switzerland, the company develops and produces its own systems, products and machines for these applications. The foundation stone for the present RASCOR Group was laid in 1965 by René P. Schmid, who still plays an active role. The Group is now represented by its own branches and subsidiaries in a number of European, Asian and Arabian countries. Among RASCOR's major assets is its tremendous wealth of knowledge and expertise, underpinned by a powerful, efficient global network capable of tackling the most challenging, high-profile international projects.

ENVIRONMENTAL COMPATIBILITY AND DURABILITY

RASCOR's products are continually adapted in line with the latest standards and guidelines. Eco-efficiency plays a pivotal role in this regard, the achievement of maximum compatibility being enshrined in our corporate policy. To meet the wide-ranging demands in terms of chemical resistance, RASCOR offers a variety of formulations that can be dovetailed to the needs of a particular project.

Being a true pioneer means more than simply resting on the laurels of past triumphs!

RASCOR WORLDWIDE

The various companies work separately within their particular geographical area or, in tandem, at national and international level. RASCOR collaborates with its contractors in developing and implementing projects across the globe.

- Rascor International Ltd., Switzerland**
- Rascor Construction Chemicals GmbH, Germany**
- Rascor Abdichtungen GmbH, Austria**
- Rascor UK Ltd, United Kingdom**
- Rascor Ireland Ltd, Ireland**
- Rascor & Partner Italia Srl., Italy**

Pioneers in
waterproofing

INJECTION PRODUCTS

RASCOflex Acrylate Grouts



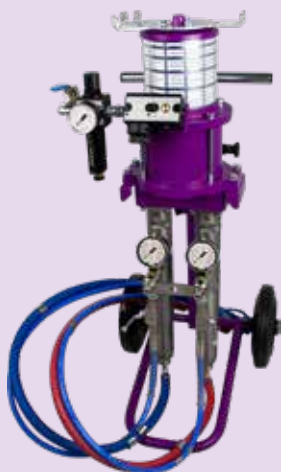
RASCOflex AY108

Properties

- stabilized, highly concentrated gel
- swelling capacity approx. 30%
- very high reactive and reversible swelling action
- sealing achieved by swelling pressure on contact with water
- no adhesion required to joint/crack/void faces
- high frost resistance (in its end condition)
- approved for potable water facilities
- passive corrosion protection
- high chemical resistance

Applications

- remedial waterproofing of hairline cracks, wide cracks and joints
- preventive waterproofing, in conjunction with RASCOtec injection systems
- suitable for dry to heavily water-bearing cracks and construction joints
- also suitable for underwater injections (saltwater or freshwater)



RASCOR recommends: RASCOpump HJP 14 II-22 (AY)

RASCOpump HJP is a 2-component high-pressure grouting machine for the injection of acrylate grouts in the proportions 1:1. With a flow rate of 1500 ltr/h (25 ltr/min), it facilitates the performance of wide-ranging waterproofing operations. Through the addition of a rinsing pump, this model is also very easy to clean. All that is needed for operation is a compressed air supply.

The efficient and inexpensive injection pump for all acrylate grouts!



RASCOflex AY240

Properties

- highly elastic properties
- high swelling action
- swelling capacity approx. 80%
- reactive and reversible swelling action
- sealing achieved by swelling pressure on contact with water
- no adhesion required to joint/crack faces (injection possible even in case of partial soiling)

Applications

- suitable for damp or wet environment
- can be used for wide, damp to heavily water-bearing cracks, construction joints and butt joints
- ideal for RASCOtec injection channels and RASCOtec injection hoses
- top-performing solution for large openings and movement joints



RASCOflex AY408

Properties

- reactive and reversible swelling action
- swelling capacity approx. 15%
- sealing achieved by swelling pressure on contact with water
- no adhesion required to joint/crack/void faces
- high frost resistance (in its end condition)
- maximum cost-effectiveness

Applications

- can be used for wide, damp to heavily water-bearing cracks and segment joints
- consolidating injections behind buried structures or grouting of segment joints in tunnels
- grout curtains involving high material consumption



RASCOflex AY808

Properties

- stabilized polyacrylate for mass injection
- outstanding flow properties
- reactive and reversible swelling action
- swelling capacity approx. 10%
- sealing achieved by swelling pressure on contact with water
- good frost resistance (in its end condition)

Applications

- suitable for all mineral bases
- suitable for damp or wet environment
- civil engineering/tunnelling works involving mass injection (void filling, grouting behind structures, ground injections)
- grout curtains involving high material consumption

RASCOflex AY Additives



RASCOflex AY-AC (Accelerator)

Properties

- for use with all RASCOflex AY formulations
- suitable for potable water applications
- must only be added to A-component

Applications

- shortening of time to start of polymerization for RASCOflex AY acrylate injection products



RASCOflex AY-DT (Rinsing Fluid)

Properties

- frost-resistant down to -25° C
- may be used several times

Applications

- cleaning of injection equipment (grouting machine and high-pressure hoses)
- rinsing of injection equipment when not in use (frost-free storage)



RASCOflex AY-PE (Elastomer)

Properties

- significant reduction in shrinkage
- guaranteed adhesion to base

Applications

- substitute for water in preparation of B-component
- facilitates bonding to concrete base, many types of polymer membrane and other surface waterproofings



RASCOflex AY-QV100 (Swell Enhancer)

Properties

- for use with all RASCOflex AY formulations
- significantly increases swelling capacity
- is added to B-component instead of water

Applications

- to increase swelling capacity of RASCOflex AY acrylate injection products



RASCOflex AY-RE (Retarder)

Properties

- for use with all RASCOflex AY formulations
- suitable for potable water applications
- must only be added to A-component

Applications

- lengthens time to start of polymerization for RASCOflex AY acrylate injection products



RASCOflex Polyurethane Grouts



RASCOflex PU110X

Properties

- extra-low viscosity
- elastic waterproofing
- contact with water speeds up reaction
- suitable for potable water applications
- for use with 1- or 2-component injection pumps
- ductile filling of cracks, voids, interstices and defects

Applications

- suitable for potable water applications
- elastic filling/bonding of cracks, joints and voids
- for wide-ranging ground conditions, from dry to hydrostatic pressure applications
- grouting of injection and other hose systems



RASCOflex PU110X Cartridge

Applications

- suitable for small-scale waterproofing works
- crack and joint injections
- applications subject to spatial constraints



RASCOflex PU112

Properties

- very high environmental compatibility
- for structural bonding of concrete elements
- for combined waterproofing and consolidation
- resin with very high compressive strength
- individually controllable gel time
- high ground permeation
- for use with 1- or 2-component injection pumps

Applications

- structural bonding and waterproofing of cracks in concrete elements
- universally applicable injection grout



RASCOflex PU118X

Properties

- very eco-friendly
- extra-low viscosity
- elastic waterproofing
- no change in reaction upon contact with water
- for use with 1- or 2-component injection pumps

Applications

- dynamic waterproofing/bonding of cracks, joints and voids
- for dry and water applications.
- ideal for ground injection systems
- suitable for RASCOtec injection channels or hoses



RASCOflex PU309L

Properties

- high ground permeation
- long gel time
- foaming of material limited to area of water contact, with material behind this forming compact, tough-elastic PU mass
- resin with very high compressive strength
- use of accelerator allows fine adjustment of gel time
- for use with 1- or 2-component injection pumps

Applications

- suitable for long injection distances or slow injection procedures
- waterproofing and consolidation of dry to water-bearing soft ground
- waterproofing in case of low water flow speeds, both above water and underwater
- waterproofing and consolidation of masonry and porous concrete
- structural, waterproof filling of cracks, joints and voids



RASCOflex PU309N

Properties

- short gel time
- foaming of material limited to area of water contact, with material behind this forming compact, tough-elastic PU mass
- in absence of water: no foaming; material cures to resin with very high compressive strength
- use of accelerator allows fine adjustment of gel time
- for use with 2-component injection pump

Applications

- tough-elastic filling of cracks, voids, interstices and defects
- waterproofing and consolidation of dry to water-bearing concrete and masonry
- waterproofing against hydrostatic pressure in case of low to medium water flow speeds, both above water and underwater
- structural, waterproof filling of cracks, joints and voids



RASCOflex PU309N Cartridge

Applications

- suitable for small-scale waterproofing works
- crack and joint injections
- applications subject to spatial constraints



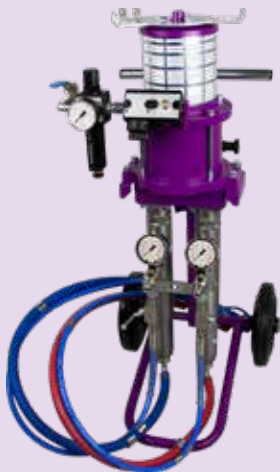
RASCOflex PU309S

Properties

- very short gel time
- foaming of material limited to area of water contact, with material behind this forming compact, tough-elastic PU mass
- in absence of water: no foaming; material cures to resin with very high compressive strength
- use of accelerator allows fine adjustment of gel time
- for use with 2-component injection pump

Applications

- halting of heavy water ingress
- waterproofing and consolidation of dry to water-bearing soft ground, concrete and masonry
- very good for waterproofing against hydrostatic pressure under the most difficult conditions
- sealing against water ingress into excavations, basements, cellars and underground structures



RASCOR recommends: RASCOpump HJP 14 II-22 (PU)

RASCOpump HJP is a 2-component high-pressure grouting machine for the injection of polyurethane grouts in the proportions 1:1. With a flow rate of 1500 ltr/h (25 ltr/min), it facilitates the performance of wide-ranging waterproofing operations. All that is needed for operation is a compressed air supply.

The efficient and inexpensive injection pump for all polyurethane grouts!



RASCOflex PU309S+

Properties

- extremely short gel time
- very short setting time
- foaming of material limited to area of water contact (increase in volume of 100 - 200%)
- only available as cartridge

Applications

- localized application to halt heavy water ingress
- waterproofing against hydrostatic pressure under the most difficult conditions
- rapid halting of water ingress into excavations, basements and cellars



RASCOflex PU309F

Properties

- very short gel time
- short setting time
- intense and rapid foaming of material (even without water contact)
- rigid foam structure with high compressive strength
- closed-cell foam body
- for use with 2-component injection pump

Applications

- waterproofing and consolidation of dry to water-bearing soft ground
- good for waterproofing against hydrostatic pressure
- sealing against water ingress into excavations and hydraulic structures



RASCOflex PU309F Cartridge

Applications

- suitable for small-scale waterproofing works
- rapid sealing against minor water ingress in building and civil engineering works
- applications subject to spatial constraints



RASCOR recommends: RASCOpump 2-comp. Chamber Cartridge Dispenser (Battery)

The RASCOpump 2-comp. cartridge dispenser is a simple, inexpensive alternative to the large injection pumps. Equipped with a powerful electric motor, it allows the injection of cartridge material with a pressure force of up to 8 kN. Small-scale waterproofing works can thus be performed quickly and with a minimum of effort.

Versatile powerhouse in case format!



RASCOflex PU309V

Properties

- strongly thixotropic behaviour
- no segregation of components even when exposed to fast-flowing water
- strong increase in viscosity when two components are mixed together
- slight foaming upon contact with water
- material cures to resin with very high compressive strength
- use of accelerator allows fine adjustment of gel time

Applications

- large-scale, heavy water ingress and water infiltration through large openings
- ideal for waterproofing against hydrostatic pressure in case of highest water flow speeds and quantities, both above water and underwater
- sealing against water ingress into excavations and underground structures



RASCOflex PU510F

Properties

- very low viscosity
- high foam factor
- solvent-, CFC- and chlorine-free
- good adhesion to void faces

Applications

- temporary waterproofing against hydrostatic pressure
- temporary filling of voids (e.g. for ground anchors or grouting behind diaphragm, contiguous pile or sheet pile walling)



RASCOflex PU512F

Properties

- 1-component
- very high viscosity
- high foam factor
- solvent-, CFC- and chlorine-free
- good adhesion to joint/crack/void faces
- can be accelerated if required

Applications

- temporary waterproofing against hydrostatic pressure
- temporary filling of voids (e.g. for ground anchors or grouting behind diaphragm, contiguous pile or sheet pile walling)

RASCOR recommends: RASCOpump Membran SF 23 CR



RASCOpump Membran SF 23 CR is a 1-component grouting machine for the injection of all kinds of polyurethane grout. With a flow rate of up to 165 ltr/h (2.6 ltr/min), it allows the prompt performance of both major and minor waterproofing works. All that is needed for operation is a power supply. Recommended for all 1-component RASCOflex PU products.

**Reliable diaphragm pump for
all kinds of 1-component injection.**



RASCOflex PU516F

Properties

- gel time/foaming start adjustable as required
- high foam factor
- semi-flexible foam body
- solvent-, CFC- and chlorine-free
- for use with 1-component injection pump

Applications

- temporary waterproofing against hydrostatic pressure
- pre-injection prior to permanent waterproofing of cracks and construction joints subject to heavy water ingress and high hydrostatic pressures.

RASCOflex PU Additives



RASCOflex PU-AC (Accelerator)

Properties

- for use with all RASCOflex polyurethane systems
- must only be added to A-component
- maximum proportion 6% (by volume)

Applications

- shortening of gel times for RASCOflex PU injection products



RASCOflex PU-DT (Rinsing Fluid)

Properties

- frost-resistant down to -25° C
- may be used several times

Applications

- cleaning of injection equipment (grouting machine and high-pressure hoses)



RASCOflex PU-FO (Foaming Agent)

Properties

- for use with all RASCOflex polyurethane systems
- must only be added to A-component

Applications

- achievement of higher foam factor for RASCOflex PU injection products
- provision of finer cell structure



RASCOflex PU-THIX (Thixotropic Agent)

Properties

- for use with all RASCOflex polyurethane systems
- must only be added to A-component
- maximum proportion 3% (by volume)

Applications

- achievement of higher viscosity for RASCOflex PU injection products
- prevention of any segregation of components brought about by high-volume water flows

RASCOflex Urea-Silicate Grouts



RASCOflex US409

Properties

- no foaming or increase in volume upon contact with water
- low viscosity
- fast-reacting, high compressive strength
- also suitable for underwater application
- high adhesion to void faces, even on wet base
- non-flammable
- for use with 2-component injection pump

Applications

- consolidation and stabilization of soft ground, gravels and sands
- waterproofing and structural reinforcement applications underwater
- for fixing anchors and grouting joints



RASCOflex US509F

Properties

- fast-reacting resin, rapid foaming, high flexibility
- compressible foam
- also foams in absence of water
- high chemical stability
- high adhesion to void faces, even on wet surfaces
- low flammability
- mainly closed-cell end product
- for use with 2-component injection pump

Applications

- consolidation and stabilization of soft ground, gravels and fissures
- void filling in building and civil engineering works
- preventive injection for ground stabilization prior to excavation

RASCOflex GT Colloidal Silica



RASCOflex GT220

Properties

- low viscosity and allowing wide permeation
- non-combustible
- no solvents, free from toxic constituents
- good environmental compatibility
- waterproof
- high adhesive strength in conjunction with adjustable gel time
- non-foaming
- for use with 1- or 2-component injection pumps

Applications

- stabilization, consolidation and waterproofing of sandy and non-cohesive soils
- binds both contaminated sand layers and sand layers containing other mineral constituents



RASCOflex GT221

Properties

- low viscosity and allowing wide permeation
- non-combustible
- no solvents, free from toxic constituents
- good environmental compatibility
- waterproof
- high adhesive strength in conjunction with adjustable gel time
- non-foaming
- for use with 1- or 2-component injection pumps

Applications

- stabilization, consolidation and waterproofing of sandy and non-cohesive soils
- binds both contaminated sand layers and sand layers containing other mineral constituents



RASCOflex GT222

Properties

- based on colloidal silica gel
- low viscosity and allowing wide permeation
- non-combustible
- no solvents, free from toxic constituents
- good environmental compatibility
- waterproof
- high adhesive strength in conjunction with adjustable gel time
- non-foaming
- for use with 1- or 2-component injection pumps

Applications

- pre-injection in bored tunnel construction, stabilization and waterproofing on mining projects
- remedial waterproofing in existing tunnels
- ground improvement
- raising of compressive strength of sandy subsoils



HYBRID PRODUCTS

RASCOHYBRID HYBRID PRODUCTS



RASCOhybrid HMS317

Properties

- high ground permeation
- adjustable gel time and viscosity
- minimizes washing-out of cement
- hybrid system with very high compressive strength
- gel time individually controllable using RASCOhybrid HMS AC
- high cost-effectiveness

Applications

- added to cement suspension for waterproofing and stabilizing dry to heavily water-bearing soft ground in rock masses
- waterproofing above water and underwater



RASCOhybrid HMS317N

Properties

- high ground permeation
- preset gel time speeds up material preparation where large quantities are required
- minimizes washing-out of cement
- viscosity adjustable through percentage of PU added to cement suspension
- hybrid system with high compressive strength
- additional acceleration of gel time possible through use of RASCOhybrid HMS AC
- high cost-effectiveness

Applications

- added to cement suspension for waterproofing and stabilizing dry to heavily water-bearing soft ground in rock masses
- waterproofing above water and underwater

RASCOhybrid Additives



RASCOhybrid HMS317 AC (Accelerator)

Properties

- purpose-developed for RASCOhybrid HMS317 system
- gel time very closely controllable
- maximum proportion 20% (by volume)
- can be added directly on site
- guarantees fast homogenization

Applications

- shortening of standard gel time of RASCOflex GT polyurethane injection products
- counteracting of slower gel times caused by low temperatures



RASCOhybrid HMS317 C1 (Cement)

Properties

- rapid strength development and waterproofness
- very high durability
- good homogenization with RASCOhybrid HMS systems
- good workability

Applications

- recommended as C-component for RASCOhybrid HMS systems
- ideal for demanding civil engineering applications and projects subject to high requirements in terms of sulphate or AAR resistance (e.g. with crane-placed and pumpable concrete, shotcrete and concrete pavements)



RAIL

RASCOR_{RAIL} RAIL PRODUCTS



RASCORail RBP320

Properties

- high ballast permeation
- long gel time
- minimal foaming of material in contact area with water
- high compressive strength
- use of accelerator allows fine adjustment of gel time
- pigmented material (black, grey) upon request

Applications

- temporary track stabilization during construction works, maintenance of operations on adjacent track
- stabilization of subgrade at tunnel and bridge approaches
- stabilization of weak subgrades
- elimination of flying ballast
- prevention of damage to ballast bed by high water and flooding
- simplification of cleaning works at stations



RASCOTECH INJECTION SYSTEMS

RASCOTECH Injection Channel



Properties

- easy fixing
- 25mm wide contact surface over joint
- no obstruction to steelfixing or formwork erection
- allows multiple injection
- remains flexible in cold conditions
- weather-independent installation

Applications

- waterproofing of construction joints
- preparatory measure for future injections



RASCOTECH IC 90° Angle horizontal

Applications

- connection of RASCOTECH injection channels at 90° angle



RASCOTECH IC Feeder Cap

Applications

- end of injection channel with hose fitting to simplify injection
- for best injection results, must be fitted to both ends of channel (in case of long channel sections)



RASCOTECH IC Connector Cap

Applications

- connection of two RASCOTECH injection channels



RASCOTECH IC Sealing End

Applications

- inserted into opening at end of injection channel to prevent infiltration of cement fluid

RASCOTECH Injection Hose C6-11



Properties

- allows multiple injection provided grout is vacuum-removed from system after injection (not possible with epoxy or polyurethane products)
- injection possible even years after installation
- prevents infiltration of cement fluid
- hardwearing material
- time-saving installation
- 28 escape holes per 10 cm length

Applications

- preventive waterproofing of construction joints
- can be fixed to waterbars with special clips, thus making these areas injectable



RASCOTECH Injection Box AX-C6

Applications

- injection points in a wall accessible at any time through the injection box mounted on formwork



Hose connector Snap-In

Applications

- connecting several sections of the injection hose
- connecting the injection hose to the connecting hoses (fabric hose)



Fabric Hose PVC, red / transparent

Applications

- Extension of the injection hose for easy injection
- due to two different colors the beginning and the end of the injection hose can be recognized at any time



Injection Nipple M8

Applications

- connection point for grouting the injection hose (with or without injection box).

RASCOtec Crack Inducer



Properties

- controlled shrinkage cracks
- may be widened to suit requirements with RASCOtec extension board
- workable as wood
- weldable
- weather-independent installation

Applications

- controlled formation and waterproofing of cracks in concrete
- allows uninterrupted casting of concrete bays of unlimited size



RASCOtec CI Feeder Cap

Applications

- end of crack inducer with hose fitting to simplify injection
- for best injection results, must be fitted to both ends of crack inducer (in case of long crack inducer sections)



RASCOtec CI Connector Cap

Applications

- connection of two RASCOtec crack inducer components



RASCOtec CI Plug Cap

Applications

- pushed on at end of crack inducer to prevent infiltration of cement fluid



RASCOtec Extension Board

Applications

- widening of area for crack formation and later injection (e.g. for thicker floor)

RASCOtec Collar



Properties

- easy fixing
- use in conjunction with any material type
- independent of geometry of built-in component
- weather-independent installation

Applications

- allows injections at junctions with penetrating components (e.g. pipes, shafts, groundwater relief pipes, gullies etc.)
- independent of component's constituent material



RASCOtec MSB Collar Strap, Full Set

Properties

- plastics collar strap
- incl. prefitted connection spigot
- available in 110, 125 or 150mm widths



RASCOtec Collar Foam

Properties

- foam insert for RASCOtec collar
- available in 110, 125 or 150mm widths



RASCOTec Multiple-Penetration Unit

Properties

- easy fixing
- use in conjunction with any material type
- independent of geometry of built-in component
- weather-independent use

Applications

- allows simultaneous injection for several adjacent pipes (e.g. water pipes, borehole heat exchangers etc.)



RASCOTec Expansion Joint

Properties

- easy fixing
- may be used in conjunction with dowel bars
- workable as wood
- weldable

Applications

- waterproofing of expansion joints up to 20mm wide in building and civil engineering works
- accommodation of movement equal to 10 - 15% of joint width when installed



RASCOTIGHT HYDROPHILIC SYSTEMS



RASCOTight Hydrophilic Channel

Properties

- straightforward application
- double protection
- inexpensive alternative to RASCOTec injection channel

Applications

- waterproofing of all types of permanently accessible construction joint



RASCOTight Hydrophilic Connector

Applications

- connection of RASCOTight hydrophilic channels



RASCOTight Hydrophilic Strip

Properties

- swells upon contact with water
- reversible swelling
- very straightforward application
- non-absorbent
- suitable for saltwater applications
- protective coating delays initial swelling
- width 20mm, height 3 or 10mm

Applications

- waterproofing of construction joints
- ancillary measure for other waterproofing systems, sealing of shafts, pipes and other penetrations



RASCOTight SK Hydrophilic Strip (self-adhesive)

Applications

- suitable for dry, smooth, non-cementitious bases
- waterproofing of shafts, pipes and other penetrations made from PVC, PE, cast iron, metal etc.
- waterproofing of penetrations with complicated geometries (e.g. steel sections)



RASCOTight QB F2.0 Hydrophilic Waterproofing Strip

Properties

- swells upon contact with water
- reversible swelling
- efficient, flexible installation, also in walls
- high swelling capacity
- suitable for saltwater and sulphate exposure
- combinable with additional acrylate injection products
- width 70mm, height 35mm

Applications

- remedial waterproofing of expansion joints subject to relatively large movement



RASCOTight Hydrophilic Gasket

Properties

- swells upon contact with water
- reversible swelling
- efficient, flexible installation, also in walls
- high swelling capacity
- suitable for saltwater and sulphate exposure
- combinable with additional acrylate injection products
- available with 26 or 43mm internal diameter

Applications

- remedial waterproofing of expansion joints subject to relatively large movement



RASCOTight Hydrophilic Tie Bolt Plug

Properties

- swells upon contact with water
- reversible swelling
- very straightforward application
- length 22mm
- diameter 23mm

Applications

- waterproofing of plastics or fibre-cement tie bolts



RASCOTight Hydrophilic Paste

Properties

- bonds well to concrete, metal and plastics
- swells upon contact with water
- reversible swelling
- very straightforward application
- 310ml cartridge

Applications

- standard joint sealing
- waterproofing of penetrations with complicated shapes, e.g. steel sections, anchor heads, cable entries etc.



ADHESIVE SYSTEMS

RASCObond Adhesive Systems



RASCObond Fixing Adhesive

Properties

- bonds well to concrete, metal and plastics
- very straightforward application
- 290ml cartridge

Applications

- installation of hydrophilic strips



RASCObond EP Adhesive Filler

Properties

- high tensile bond strength on concrete and steel
- thixotropic
- high mechanical strength after curing
- shrinkage-free

Applications

- fixing of waterbars
- installation of adhesive packers (metal and plastics)
- sealing of cracks and joints
- structural bonding of precast-concrete units
- structural strengthening with bonded reinforcement



RASCObond FLX121

Properties

- very strong surface adhesion
- accommodates movement due to high bond strength
- very straightforward application
- jointless surface after curing

Applications

- in case of high concrete alkalinity
- where moisture arises, on surface of structure
- on dry and wet concrete, steel, stainless steel, stone, plastics etc.



RASCObond FLX121 UV

Applications

- areas with high exposure to atmospheric action



RASCOjoint Adhesive Systems



RASCOjoint TPE Waterbar

Properties

- readily weldable
- permanently elastic
- high chemical resistance
- UV-resistant
- available in range of widths and thicknesses

Applications

- waterproofing of cracks, tie bolt locations, construction and movement joints



RASCO PUMP MASCHINES



RASCOpump HJP 14 II-22 (AY)

Properties

- continuous flow and pressure control
- all parts in contact with material made from stainless steel
- long service life
- straightforward and inexpensive maintenance
- up to 840 ltr/h flow rate at 200 bar pressure
- operated only by compressed air

Applications

- 2-component high-pressure grouting machine for injection of acrylate grouts
- injection in proportions 1:1

Mixing head 2C RAS (AY)

Properties

- with 1/4" thread
- only for use with 2-component acrylate grouts

High-Pressure Injection Hose

Properties

- length 12m, internal diameter 6mm
- for A- and B-components



RASCOpump HJP 14 III-22 (AY)

Properties

- continuous flow and pressure control
- all parts in contact with material made from stainless steel
- long service life
- straightforward and inexpensive maintenance
- up to 840 ltr/h flow rate at 200 bar pressure
- operated only by compressed air

Applications

- 2-component high-pressure grouting machine for injection of acrylate grouts
- injection in proportions 1:1

Mixing head 3C BM Sliding coupling (AY)

Properties

- with 1/4" thread
- only for use with 2-component acrylate grouts

High-Pressure Injection Hose EFS

Properties

- length 12m, internal diameter 6mm
- for A-, B- and C-components (rinsing hose)



RASCOpump HJP 14 II-22 (PU)

Properties

- continuous flow and pressure control
- all parts in contact with material made from stainless steel
- long service life
- straightforward and inexpensive maintenance
- up to 840 ltr/h flow rate at 200 bar pressure
- operated only by compressed air

Applications

- 2-component high-pressure grouting machine for injection of acrylate grouts
- injection in proportions 1:1

Mixing head 2C RAS (PU)

Properties

- with 1/4" thread
- only for use with 2-component acrylate grouts

High-Pressure Injection Hose EFS

Properties

- length 12m, internal diameter 6mm
- for A- and B-components



RASCOpump Membran SF 23 CR

Properties

- continuous pressure control up to 250 bar
- electric operation at 230V/50 Hz
- long service life thanks to low stroke frequency
- cleaning and maintenance possible directly on site
- up to 156 ltr/h flow rate

Applications

- 1-component grouting machine for injection of 1-component polyurethane grouts



RASCOpump Membran A 4000 Eco

Properties

- pressure control up to 230 bar
- electric operation at 230V/50 Hz
- up to 150 ltr/h flow rate
- delivery distance of 20 m

Applications

- 1-component grouting machine for injection of 1-component polyurethane grouts
- compact, lightweight design for rapid and easy deployment



RASCOpump 2-Comp. Chamber Cartridge Dispenser (Battery)

Properties

- battery-operated (rechargeable lithium-ion battery)
- compact size, easy to take along
- pressure force up to 8.00 kN
- weight only 2.7 kg
- supplied in easily portable case

Applications

- 2-component cartridge dispenser for injection using RASCOflex cartridges
- injection in small or constrained working spaces
- rapid deployment and low material consumption



RASCOpump 2-Comp. Chamber Cartridge Dispenser (Compressed Air)

Properties

- compressed-air-operated
- compact size, easy to take along
- working pressure up to 6.8 bar
- variable pressure setting
- compressed air supply of up to 10 bar possible

Applications

- 2-component cartridge dispenser for injection using RASCOflex cartridges
- needs only small compressor
- can be used continuously over long periods (subject to permanent compressed air supply)



RASCOR INJECTION ACCESSORIES



Steel Packer, diameter 9.5 - 15mm (with pan-head nipple)

Properties

- available in diameters from 9.5 to 15mm
- length 115mm
- with 40mm long foam rubber



Steel Packer, diameter 9.5 - 15mm (with round-head nipple)



Screw Packer, diameter 9mm

Properties

- diameter 9mm
- length 190mm
- nominal length 170mm
- all parts made from stainless steel



Screw Packer, diameter 12mm

Properties

- diameter 12mm
- length 210mm
- nominal length 135mm
- all parts made from stainless steel



Screw Packer, diameter 12mm

Properties

- length 340mm
- nominal length 265mm



Screw Packer, diameter 18mm

Properties

- diameter 18mm
- length 280mm
- nominal length 210mm
- all parts made from stainless steel



Screw Packer, diameter 18mm

Properties

- length 520mm
- nominal length 440mm



Screw Packer, diameter 18mm

Properties

- length 1000mm
- nominal length 920mm



Nail Packer DV (double valve)

Properties

- diameter 10mm
- length 66mm
- with double valve



Nail Packer EV (single valve)

Properties

- diameter 10mm
- length 55mm

**Lamella Packer, diameter 12mm****Properties**

- diameter 12mm
- length 69mm
- with round-head nipple

**Lamella Packer, diameter 12mm****Properties**

- diameter 12mm
- length 77mm
- with air hose plug and check valve

**Lamella Packer, diameter 18mm****Properties**

- diameter 18mm
- length 107mm
- with pan-head nipple and shut-off slide

**Lamella Packer, diameter 18mm****Properties**

- diameter 18mm
- length 110mm
- with air hose plug and check valve

**Impact Tool for Lamella Packer (packer with air plug)****Properties**

- diameter 20mm
- length 140mm
- made from (white) plastics

**Impact Tool for Lamella Packer (packer with round-head nipple)****Properties**

- diameter 20mm
- length 140mm
- made from (white) plastics

**Impact Tool (packer with flat-head nipple)****Properties**

- diameter 20mm
- length 170mm
- made from (black) plastics

**Aluminium Sliding Coupling, 3mm****Properties**

- with 3mm free passage
- connection straight
- for pan-head nipple

**Aluminium Sliding Coupling, 5mm****Properties**

- with 5mm free passage
- connection at 90°
- for pan-head nipple

**Whip, diameter 11mm****Properties**

- diameter 11mm
- length 300mm
- max. working pressure 400 bar

**Clamping tongs for connecting****Properties**

- all parts made from stainless steel



RASCOfix Nail Plug

Properties

- fast, inexpensive installation
- preassembled, no need to search for matching screw
- can be removed by unscrewing motion
- halogen- and silicone-free
- available in sizes 5/30mm, 6/60mm or 6/80mm (diameter/length)

Applications

- installation of RASCOtec injection channels and RASCOtight hydrophilic channels
- for use in concrete, solid clay bricks/blocks, solid calcium silicate bricks/blocks, vertically perforated bricks/blocks, gypsum planks etc.



RASCOfix Concrete Adhesive Tape

Properties

- width 48mm
- extra-strong adhesion
- with integral fibre texture
- detachable

Applications

- fixing of RASCOtec products
- sealing of connector hoses
- bonds to all materials



RASCOfix Marking Washer

Properties

- made from steel
- size M6 (6mm internal diameter)

Applications

- marking of grouting sections on concrete surface for later injections



RASCOfix Mixing Paddle

Properties

- diameter 10mm
- made from stainless steel
- for fitting to all standard drills

Applications

- for optimum mixing of RASCOflex AY products



RASCOfix Instant Glue

Properties

- cyanoacrylate-based
- air-curing
- strong bond

Applications

- bonding of RASCOjoint CD gasket butt joints