



Waterproofing

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Waterproofing Membranes

CETCO Voltex System

Voltex is a highly effective waterproofing composite comprised of two high strength geotextiles and 4.88kg of sodium bentonite per square metre. The high swelling, low permeable sodium bentonite is encapsulated between a non-woven and woven geotextile.

A patented needlepunch process interlocks the geotextiles together forming an extremely strong composite that maintains the equal coverage coverage of bentonite, as well as, protects it from inclement weather and construction related damage. Once backfilled Voltex hydrates and forms a monolithic waterproofing membrane. Voltex contains zero VOC, can be installed in almost any weather condition to green concrete, and most importantly has proven effective on both new and remedial waterproofing projects worldwide.



Technical Data

Products	Packaging
Roll Width	1.1m
Roll Length	5.0m
Roll Weight	35.0kg

Larger Rolls Available on Request

Applications

- Soldier Pile & Lagging
- Backfilled Concrete Foundation Walls
- Under Structural Floor Slabs
- Tunnel & Subways
- Metal Sheet Piling Retaining Walls
- Shotcrete or Guniting Walls



CETCO Voltex System Accessories

BENTOSEAL®

Bentoseal is a trowel-grade bentonite based mastic that is used with Volclay bentonite waterproofing systems to detail at membrane terminations, around penetrations, over grouted concrete form-tie holes, and provide fillets to inside wall corners.

Unlike most mastics, this premium mastic is capable of swelling and self-sealing upon hydration and is VOC compliant. Its durable composite construction resists damage from tradesmen installing reinforcing steel over it and inclement weather.



Technical Data

Products	Packaging
Pail Size	18kg Tub (14.25 L)

Waterstop RX-101

Waterstop-RX 101 is a Sodium Bentonite based waterstop designed to stop water infiltration through cast-in-place concrete construction joints by expanding upon contact with water to form a positive seal against the concrete.

Waterstop-RX is an active waterstop that functionally replaces conventional passive PVC/rubber waterbars. Waterstop- RX should also be placed around applicable penetrations.



Technical Data

Products	Packaging
Waterstop RX 101	20mm x 25mm x 5m (30m per box)
REVOFIX	1000mm Lengths (30m per box)
RX WB Adhesive	3.8 Litre Tub

Bentonite Granules

Pure granular Volclay Bentonite, used to detail critical areas that may require extra Volclay protection.

Typical application is around slab penetrations, pile caps, and grade beams prior to the waterproofing membrane installation.



Technical Data

Products	Packaging
Bag Size	20kg

Ancillaries

A full range of Ancillaries for the CETCO Voltex System, are available.

Contact your local branch for full details

Technical Data

Products	Packaging
Soft Washer Fixings	150 OR 500 per box
Blacksheet	HDPE Self-adhesive sheet 1m x 20m roll
Blacksheet Primer	5 Litres
Voldrain	20m x 2.1m Rolls
Volseal Aqua Plug	25kg Bag



Proofex Engage

Pre-applied waterproofing membrane which mechanically bonds to poured concrete, remaining in place if settlement of substrate occurs.

A unique patented waterproofing membrane for a range of waterproofing applications including basements and substructures. Proofex Engage provides a water, water vapour and gas protection to water excluding structures and protects concrete from aggressive ground salts and chemicals.



Technical Data

Products	Packaging
Thickness	5.0mm
Roll Width	1.27m
Roll Length	30m
Edge Laps	75mm
End Lengths	Butt Jointed
Roll Weight	58kg
Thickness	1.5mm
Roll Width	200mm
Roll Length	10m
Roll Weight	4kg
Thickness	4.0mm
Pack Size	28kg
Coverage (4mm)	7m ²
Width	100mm
Length	50m
Coverage (4mm)	5m ²

Applications

- Basement waterproofing protection to grades 2, 3 & 4 as BS8102:1990
- Methane, Radon and Co2 protection as defined in BRE Report 212
- To provide a vapour and waterproofing membrane in structures
- Resistant to attack from chemicals and aggressive ground salts
- Simple application - no primers or protection material required
- Facilitates flexible construction programming



Proofex Membranes

A range of high performance self adhesive membrane for a range of waterproofing applications including basements and substructures.

Proofex 3000 provides a vapour and waterproof membrane to water excluding structures and protects concrete from attack by aggressive ground salts.

Proofex Membranes are cold applied, flexible, waterproof, high performance membranes incorporating a cross laminated HDPE carrier film with a polymer modified bitumen compound.

Proofex 3000 should be laid in accordance with the provisions of BS 8102 :1990.

Where Proofex 3000 is being used as a floor DPM there, should be continuity with wall DPCs and other DPMs used in the structure.

Product	Description	Packaging
Proofex 3000	Waterproofing Membrane	20m x 1m.
Proofex 3000MR	Methane Resisting	20m x 1m x 1.2mm
Proofex 4000R	Reinforced Membrane	1.05m x 19m
Proofex Primer	Membrane Primer	5L & 25L

Applications

- Cross-laminated HDPE film for protection against damage
- Dimensionally stable Combines toughness with flexibility for detailing around corners
- Self adhesive layer system makes installation quick, simple and reliable
- Resistant to ground water, soluble sulphates and chlorides
- Suitable for waterproofing basements grades 2, 3 and 4 as defined in BS 8102 : 1990, 'Protection Of Structures Against Water From The Ground'



Famguard GS100

Famguard GS100 is a hot-applied pour and roll sheet membrane consisting of a 3 mm thick fully bonded water impermeable layer with green slate granule surface finish. All edge and end laps are also fully bonded.

Famguard GS100 incorporates a high tensile polyester fabric, impregnated and coated with blended oxidised bitumen. The high strength and robust nature of Famguard GS100 provide excellent resistance to puncture and damage.

Product	Packaging
Famguard GS100	1m x 8m x 3mm

Applications

- Bridge decks
- Elevated roadways
- Car park decks
- Access ramps



Proofex Hydromat



Pre or post-applied bentonite waterproofing membrane with unique surface bentonite impregnation for impermeable lap joints

Basement waterproofing protection to grades 2, 3 and 4 as defined in BS8102:1990. Provides a vapour and waterproof membrane in building and civil engineering structures and protection to the structure from attack by aggressive chemical substances in the ground.

A continuous layer of natural sodium bentonite is sandwiched between a needle-punched polypropylene geotextile (the cover layer) and a slit film woven geotextile (the carrier layer).

Product	Description	Packaging
Proofex Hydromat	Bentonite Waterproofing Membrane	1.2m x 2.42m.
Proofex Hydromat	Bentonite Waterproofing Membrane	2.42m x 15m
Hydromat Powder	Bentonite Granules	30Kg

Applications

- Unique impermeable lap joints
- Full surface contact between the bentonite impregnated cover and the concrete
- Quick and easy installation in almost all weather conditions
- Forms a tenacious mechanical bond to poured concrete when cast in situ
- No requirement for priming systems, joint taping or protection systems
- One product can be used in both pre-applied and post-applied construction



Proofex Sheet Drain

Wall Drainage system is a high performance geocomposite drainage system, incorporating a lightweight plastic core bonded to a geotextile filter to prevent the entry of any particles blocking the drainage system.

It is design to relieve the hydrostatic water pressure from the vertical walls of buried structures, such as basements, retaining walls, tunnels, reservoirs, bridge abutments, buried tanks etc..

Wall drainage system provides high flow capacity and added protection to waterproofing systems. It reduces the amount of excavation and enables site material to be used as backfill. As a secondary line of defence to channel water away from the structure it complies with Type 'C' design of BS8102.

Highly chemically resistant to all common chemicals, including fuels, salts, acids and alkalis.



Technical Data

Products	Packaging
Proofex Sheet Drain	0.97m x 50m

Applications

- Soldier Pile & Lagging
- Backfilled Concrete Foundation Walls
- Under Structural Floor Slabs
- Tunnel & Subways
- Metal Sheet Piling Retaining Walls
- Shotcrete or Guniting Walls



Proofex Cavity Drain



Slab Drainage System is a preformed cavity drainage system designed to relieve water penetration from basements, buried structures, underground car parks, and is suitable for new and existing structures.

Traditional methods of ground water exclusion are difficult to install reliably in the modern deep basement with piled slabs and secant piled walls.

This waterproofing system enables fast track construction by eliminating wet trades and removing the waterproofing installation from the critical path. For use in Type 'C' construction this will provide grade 4 protection as defined in: BS8102:1990, "Protection of structures against water from the ground" Highly chemically resistant to all common chemicals, including fuels, salts, acids and alkalis.

Technical Data

Products	Packaging
Proofex Sheet Drain	1.1m x 25m

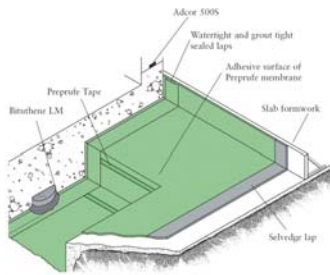
Applications

- Soldier Pile & Lagging
- Backfilled Concrete Foundation Walls
- Under Structural Floor Slabs
- Tunnel & Subways
- Metal Sheet Piling Retaining Walls
- Shotcrete or Guniting Walls

GRACE PREPRUFE 160R & 300R

Construction Products

Preprufe® 300 R & 160 R are pre-applied Waterproofing Membranes are unique multi-layered composite waterproofing sheets made from a thick solar reflective HDPE film, a highly aggressive pressure sensitive adhesive and a weather resistant protective coating that allows freshly poured concrete to fully adhere to the membrane to prevent water tracking. The unique Preprufe seal with the concrete prevents any entry or migration of moisture around the structure from hydrostatic pressure or



Technical Data

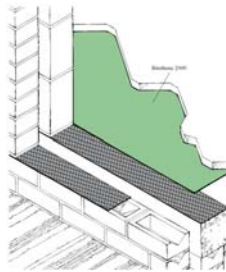
Products	Packaging
Preprufe 160R	35mm x 1.2m
Preprufe 300R	30mm x 1.2m
Preprufe Tape	100mm x 15m
Advantages	
Preprufe 300R	Heavy duty grade for use below slabs and rafts
Preprufe 160R	Thinner grade for lighter applications and reverse tanking against permanent formwork.
Preprufe Tape LT	For overbanding cut edges, roll ends, penetrations and detailing

GRACE Bituthene Range

Construction Products

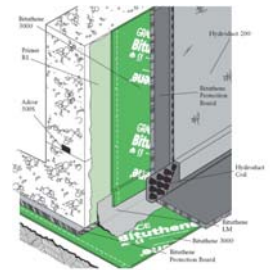
Bituthene® 2000

Bituthene 2000 is a pre-formed self-adhesive rubber bitumen/HDPE damp proof and radon gas barrier to comply with Building Regulations 1991 Clause C2



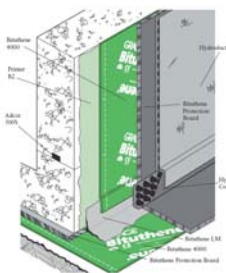
Bituthene® 3000

Bituthene® 3000 is a cold -applied, flexible waterproof membrane. When used in conjunction with Serviced® waterstops cast into the concrete shell, it will provide a continuous waterproofing/tanking system for basements and substructures.



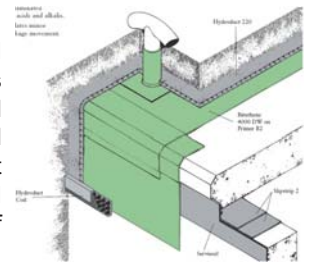
Bituthene® 4000

Bituthene 4000 is a flexible preformed waterproof membrane that combines a high performance cross laminated HDPE carrier film with a unique super sticky low temperature self-adhesive rubber bitumen compound.



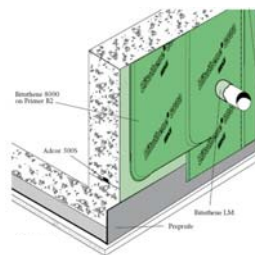
Bituthene® 4000DW

Bituthene 4000 DW is an advanced version of Bituthene 4000. It is a cold-applied, UK WBS listed waterproofing membrane tested and approved for use in contact with drinking water. It is designed for the waterproofing of roofs of



Bituthene® 8000

Bituthene 8000 combines the proven super sticky Bituthene low temperature technology with a unique, solar reflective carrier film to provide superior performance and easier installation. It can be used horizontally or vertically to protect basements and other critical sub-structures from the effects of hydrostatic pressure, ground contamination, damp or gas penetration.



Technical Data

Products	Packaging
Bituthene 2000	1m x 25m Roll
Bituthene 3000	1m x 20m Roll
Bituthene 4000	1m x 20m Roll
Bituthene 4000DW	1m x 20m Roll
Bituthene 8000	1m x 20m Roll

Protection Boards Tapes & Ancillaries

Technical Data

Products	Packaging
Bituthene Protection Board	1m x 2m x 3mm
Servipak Protection Boards	1m x 2m x 6mm & 1m x 1m x 12mm
Bitustik 4000	150mm x 12m (Adhere board to Bituthene)
Pak Adhesive	5 Litres
Bituthene LM	5.7 Litres
Bituthene Tape Alu-Bitutape	100, 150, 225 & 300mm x 10 10m Rolls
Bituthene Tape Bitutape (std)	100, 150, 250 x 30m & 250, 300 x 20m Rolls
B1 Primer (dry surface)	5L / 25L (10m ² per Litre)
B2 Primer (dry/damp surface)	5L / 25L (10m ² per Litre)



VISQUEEN GX GEOMEMBRANE (HC) SYSTEM

Visqueen GX Geomembrane is a high quality single layer HDPE membrane and is suitable for use as a barrier membrane on brownfield sites that require protection from dangerous contaminants such as hydrocarbons and methane, together with excellent damp proofing characteristics



Visqueen GX Geomembrane combines strength with flexibility enabling high levels of stress/crack resistance to be achieved together with excellent bi-axial load absorption characteristics. Due to its high puncture and impact resistance GX Geomembrane generally requires no protective screed or boarding when laying reinforced concrete above it.

Visqueen GX Geomembrane has been designed to exhibit superior welding properties when compared to conventional materials. High quality welding can be performed in a wide range of climate conditions.

The material can be welded with one of three principal systems:

Hot Edge Welding / Air Welding / Extrusion Welding

Technical Data

Products	Packaging
Thickness	1.5mm
Roll Width	2.95m
Roll Length	25m
Density	0.94g/m ³
Tensile Strength	40N/mm
Elongation	700%
Methane Perm.	1.95cc/m ² /hr

Material Specification

Visqueen GX Geomembrane can be manufactured in a range of sizes to suit individual applications; standard rolls are also available and the membrane can be prefabricated into panels prior to installation.

In addition, the membrane is available with a textured finish which allows cast concrete to bond to the membrane surface. Visqueen strongly advise the use of the ancilliary components when installing the membrane.

Ancillaries for GX Geomembrane

GX Geomembrane Jointing System:

Two part jointing System consisting of a double sided jointing tape for bonding the laps and a single sided lap tape for sealing the lap joint.

GX Geocomposite Venting System: 12 and 25mm void formers

GX Preformed Top Hat Units: For sealing around service pipe penetrations

GX DPC:

645mm / 970mm x 30m roll - a flexible reinforced hydrocarbon resistant DPC designed to prevent the transmission of hydrocarbon gases via the cavity

GX Preformed Internal and External Corner Units:

To form an effective hydrocarbon seal at corners



VISQUEEN TORCH ON TANKING MEMBRANE

Visqueen TorchOn Tanking Membrane is a robust waterproofing membrane, used for heavy duty tanking applications. TorchOn Tanking Membrane can be used both vertically and horizontally above and below ground level to prevent the ingress of water.

TorchOn Tanking Membrane should be used along with Tanking Primer, and, if subjected to backfill or other potential damage, Heavy Duty Protection Board.

TorchOn Tanking Membrane should be applied as a two layer system when used as a tanking system for below ground structures where medium or high levels of hydrostatic (water) pressure exist. Alternatively, TorchOn Tanking Membrane can be used as a single layer system when dealing with low levels of hydrostatic pressure or damp proofing. In this application all laps should be minimum 150mm.



Applications

- Robust membrane for below ground applications
- Torch laps ensure highest degree of security
- Ideal for cold weather application
- Used to waterproof basements, lift pits, retaining walls, etc

Technical Data

Products	Packaging
Thickness	3.0mm
Roll dimensions	1m x 8m
Roll weight	34kg
Ancillaries	
Tanking Primer	5 Litres
Protection Board	3mm x 1m x 2m
Zedex DPC	100mm x 15m
Jointing Tape	(roll)





Dual Seal Bentonite System



Dual Seal Bentonite System

Dual Seal is a high performance self swelling, self healing waterproofing membrane comprising of a thick, tough, high density polyethylene sheet laminated to 4kg/m² of quality Bentonite granules. The Bentonite used in the manufacture of Dual Seal is capable of repeated cycles of wetting and drying without deterioration of its sealing properties and has a life expectancy measured in thousands of years (BBA Certified). It has WRAS approval for use with potable water.

Uses:

Dual Seal waterproofing membrane has been specifically developed for use as a high performance waterproofing membrane to provide a totally watertight barrier in below ground concrete construction, including basements, underground car parks, plant rooms, access tunnels etc.

Dual Seal Membrane can be installed in damp conditions and is, therefore, particularly suitable for use as a roof waterproofing system for earth covered potable water reservoirs



Features & Benefits

- Provides a totally watertight barrier which is 10 times greater than concrete
- Resistance to Hydrostatic head of water of 46m
- Can be applied immediately shutters are struck to wet surface/green concrete
- Can be installed in damp conditions
- Prevents tracking of water between membrane and concrete surfaces
- Surface does not require priming
- Installation temperature -30°C to +50°C
- Easily installed by non-skilled operatives
- Non-toxic
- Eliminates need for separate protection board
- Does not require welding
- U.K. Water Fitting Byelaws Scheme Listed for use with potable water

Product Data	Sizes
HDPE Thickness	0.5mm
Membrane thickness	5mm
Roll Width	1.22m
Roll length	7.32m
Coverage per roll (allowing 50mm overlaps)	8.59m ²



Dual Seal Ancillaries

Dual Seal Mastic

A trowelable mastic comprising of a special formulation of expandable minerals and elastomeric compound which expands and stiffens in the presence of water to form an impervious barrier to water penetration.

Uses:

For use with Dual Seal Waterproofing Membranes to form a 45° fillet in internal corners, around pipe entries and penetrations. It is also used for filling voids, tie holes and honeycombing prior to installation of the Dual Seal Waterproofing Membrane.



Dual Seal Granules

A high swelling sodium bentonite in granular form which reacts when in contact with water and forms an impervious gel.

Uses:

Used in conjunction with Dual Seal Waterproofing Membranes to form a fillet at wall to floor transitions and penetrations through horizontal surfaces

Dual Seal XL Reinforcing Strip

An overbanding tape for the sealing of membranes

Technical Data	
Products	Packaging
Dual Seal Mastic	19 Ltr Pail
Dual Seal Granules	22.7kg Bags
Dual Seal XL Strip	100mm x 20m

Bluebay Self Adhesive Membrane

Bluebay SA Membrane is a self-adhesive sheet membrane constructed from an oriented cross laminated high density polyethylene sheeting and a bitumen-polymer adhesive compound. The product is a tough, durable, self-adhesive sheet with an overall thickness of 1.5 mm. Bluebay SA Membrane is intended for use as a self bonding vertical or horizontal damp proof membrane in tanking below ground structures, subways and retaining walls.

Technical Data			
Products	Description	Size	Packaging
Bluebay SA Membrane	Self Adhesive Membrane	1.05m x 19.05m	20m ² Rolls
Bluebay Double Sided Bitumen Tape	Bitumen Adhesive Tape	75 / 100 / 150 & 300mm	15m Rolls
Bluebay XL Tape	Reinforcing Tape	100 / 150 & 300mm	20m Rolls
Bluebay Primer	Liquid Primer (Black)	5 & 25 Ltr	5 Ltr Can / 25 Ltr Drum
Bluebay Protection Boards	Polymeric Protection Board	3mm Thick	2m x 1m
	Bitumen Protection Board	3mm Thick	2.13m x 1.22m
Turk Brushes	Application Of Primer		Short or Long
Tanking Fillet	Bitumen impregnated woodfibre strip		48mm x 1200mm
Bluebay Mastic	For bonding and joining protection boards		25Ltr

Bluebay Wall & Slab Drain



Wall Drain

Walldrain consists of a preformed lightweight plastic core bonded to a geotextile filter. The filter was specially developed to permit free entry of water, but not soil, and so prevent soil particles from clogging the drainage system. Walldrain is designed to be placed with the geotextile filter layer facing the direction of water seepage or backfill. Walldrain can be applied against waterproofing membranes or directly against the masonry/concrete substrate.

Uses:

Walldrain relieves hydrostatic pressure against the vertical walls of buried structures - basements, retaining walls, reservoirs, tunnels, bridge abutments, culverts and underground car parks. Walldrain provides a second line of defence to channel seepage water away from the structure and is designed to fully comply with the requirement of type 'C' design BS 8102.

SlabDrain

Slabdrain is a cavity drain former manufactured from a dimpled H.D.P.E., designed to provide a drainage channel beneath the concrete in floor and wall construction. The former is provided with selvages to enable joints to be sealed to give a water and gas tight membrane.

Uses:

Generally in type C construction to provide grade 4 protection as defined in BS 8102: 1990. "Protection of structures against water from the ground". Slabdrain may be used in floors and walls to provide a drainage void beneath the concrete to relieve both water and gas pressures.

The HDPE core provides high strength to resist the loads imposed by placing wet concrete. By sealing the selvedge joints, Slabdrain will also provide the membrane.



Technical Data

Wall Drain	Size
Thickness	12mm & 25mm
Roll Width	0.915m
Roll Length	50m

Advantages

- Provides a totally watertight barrier which is 10 times greater than concrete
- Resistance to Hydrostatic head of water of 46m
- Can be applied immediately shutters are struck to wet surface/green concrete
- Can be installed in damp conditions
- Prevents tracking of water between membrane

Technical Data

Wall Drain	Size
Thickness	10mm & 20mm
Roll Width	0.915m
Roll Length	50m

Advantages

- Combined former and membrane.
- Provides a high water flow rate.
- Easily applied.
- Selvedge side laps.
- High load resistance.
- Lightweight.

Bitumen Paint

A black bitumen paint for use as a protective coating for metal work, pipes, tanks etc. The bitumen paint can be applied by brush, roller or spray. The paint may be diluted with white spirit in order to adjust the viscosity for spraying. Two coats are recommended on new work.

Do not apply over tar based products or surfaces that can rise above 65°C. Material should be stored out of direct sunlight at 8 - 25°C.



Technical Data

Product	Size
Bitumen Paint	5 / 25 & 205 Ltr

Applications

- Coating metal, concrete, stone and asbestos.
- The dry coating is waterproof and weatherproof
- Surface does not require priming
- Installation temperature -30°C to +50°C
- Easily installed by non-skilled operatives
- Non-toxic

Rubberised Bitumen Emulsion

The bitumen emulsion is an easily applied, rubber modified aqueous bitumen emulsion which combines the excellent adhesive and elasticity of rubber latex, with the waterproofing properties of bitumen.

Application rate will depend on the surface to be treated.

2 coats are recommended. e.g. Floors - 2 coats of 1m² / Litre

Bridge Abutments - 1st coat at 2m²/litre, 2nd coat 2.25m² / litre



Technical Data

Product	Size
Rubberised Emulsion	5 / 25 & 205 Ltr

Applications

- Coating metal, concrete, stone and asbestos.
- The dry coating is waterproof and weatherproof
- Easily installed by non-skilled operatives
- Non-toxic

Volseal 250

VOLSEAL 250 is a two-component acrylic polymer modified cementitious waterproof coating, with elastic properties.

VOLSEAL 250 provides surface waterproofing for internal and external applications, subject to both positive and negative hydrostatic pressure, against concrete or prepared masonry.

CONCRETE / MASONRY SURFACES (internal and external). Two 1mm coats of VOLSEAL 250 at 1.5-2Kg/m² per coat, applied by brush, roller, or spray equipment. Second coat applied at right angles to the first.



Technical Data

Product	Size
Volseal 250	25kg Powder + 10L Liquid

Applications

- Internal / external waterproofing of concrete or prepared masonry structures
- Vertical surfaces as part of the VOLSEAL Deck 400 System
- Termination and continuity detailing as part of the Volclay VOLTEX Waterproofing System

Synthaprufe / LAC

IKOpro Synthaprufe Original is a high performance, brush applied damp proofing emulsion containing synthetic rubber latex which provides a seamless waterproof and vapour resistant, black elastomeric membrane. Synthaprufe Original exhibits low odour, with exceptional flexibility and crack resistance, even at low temperatures.

IKOpro Synthaprufe LAC is a high performance waterproofing liquid used as a damp proof membrane and water-repellent coating. It forms a flexible membrane when cured and provides an effective barrier to water and water vapour. Synthaprufe LAC is easy to apply and is suitable for use in the most demanding site locations. A cold-applied liquid asphaltic compound, containing synthetic rubber latex which, once applied, dries to provide a waterproof and vapour resistant black, flexible film. When suitably protected, Synthaprufe LAC will be effective throughout the life of the building.



Technical Data

Product	Size
Synthaprufe Orig	5 & 25 Litres
Synthaprufe LAC	5 & 25 Litres

Orig: 1st coat 1m²/L; 2nd coat 1.5m²/L
LAC: 1st coat 1.5m²/L; 2nd coat 2.5m²/L

Applications

- Suitable for damp proofing of concrete, brick, blockwork, masonry and steel
- Bonds with vertical surfaces, ideal for the tanking of basements
- Performance adhesive for unsealed wood block flooring
- Offers excellent resistance to sulphates and other soil salts
- Cold applied, easily to apply

euro

EUROBIT 810 LAC

EUROBIT 810 LAC is a liquid applied, high performance bituminous solution modified with synthetic polymers.

Eurobit 810 LAC is used to form a waterproofing sandwich membrane for above and below ground concrete, brickwork, and blockwork.

The product offers levels of protection as required in BS 8102 : 1990, grades 1,2,3 and 4.

Technical Data

Product	Size
810 LAC	5 / 25 & 200 Ltr
Coverage - 0.5 to 1.0 Lt / m ² / Coat	

Applications

- Roofs (non-exposed)
- Bathrooms, Kitchens & Shower Areas
- Floor Slabs / Basements
- Swimming Pools
- Planter Boxes / Roof Gardens
- Tunnels / Bridge Abutments
- Steelwork



euro

EUROTEC 500

EUROTEC 500 is a liquid applied, high performance polymer solution which forms a tough, elastic membrane.

Eurotec 500 is used to form a waterproofing sandwich membrane for above and below ground concrete, brickwork, and blockwork where movement is anticipated

The product offers levels of protection as required in BS 8102 : 1990, grades 1,2,3 and 4.

Technical Data

Product	Size
EUROTEC 500	5 / 20 Ltr
Coverage - 0.5 to 0.75 Lt / m ² / Coat	

Applications

- Roofs (non-exposed)
- Bathrooms, Kitchens & Shower Areas
- Floor Slabs / Basements
- Swimming Pools
- Planter Boxes / Roof Gardens
- Tunnels / Bridge Abutments
- Steelwork



euro

EUROGARD HD

EUROGARD HD is a liquid applied epoxy resin coating, which dries to form a tough, waterproof and chemical resistant membrane.

The product complies with the requirements of BS 5908 for coating for chemical plant bund walls and floors.

Technical Data

Product	Size
EUROGARD HD	5 / 20 Ltr
Coverage - 0.25 Lt / m ² / Coat	

Applications

- Marine Concrete
- Computer Room Floors
- Bund Walls & Floors
- Anti Skid Walkways Traffic Decks.
- Plant Rooms
- Water Features and Roof Gardens



euro

EUROGARD DPM

EUROGARD DPM is a liquid applied epoxy resin coating, which functions as a residual construction moisture repressant, to allow the early installation of moisture sensitive flooring

Eurogard DPM has excellent adhesion to correctly prepared substrates. Once installed Eurogard DPM will provide excellent resistance to mechanical and chemical damage.

Technical Data

Product	Size
EUROGARD DPM	5 / 15 Kg
Coverage - 0.3 Lt / m ² / Coat	

Applications

- Surface Damp Proof Membrane
- Damp Tolerant Concrete Primer
- Concrete Moisture Suppressant
- Dust Encapsulator



euro

EUROCOTE

EUROCOTE is a liquid applied, bituminous solution, modified with synthetic resins.

Eurocote is used to provide long term protection for exposed concrete and for asbestos encapsulation for walls and roofs.

Provides a protective and waterproof coating for concrete, brickwork, blockwork and metal in exposed conditions. The product is impervious to water and under normal service conditions will provide an effective barrier to the transmission of liquid water and water vapour, for up to 10 years when exposed to UV light.

Technical Data

Product	Size
EUROCOTE	5 / 25 / 200 Ltr
Coverage - 0.5 Lt / m ² / Coat	

Applications

- Exposed Concrete
- Structural Metal
- Asbestos wall panelling
- Parapets
- Asbestos roofing sheets
- Pipework



euro

HYWAYCOAT

HYWAYCOAT is a liquid applied, rapid drying, two coat bitumen solution, which dries to form a water and water vapour barrier.

Euro Polymers Hywaycoat is used to protect iron and steel from corrosion and concrete structures from ground water.

HYWAYCOAT meets DTp specification for highway works March 1998 series 2000 clause 2004 The product offers levels of protection as required in BS 8102 : 1990, grades 1,2,3 and 4.

Technical Data

Product	Size
HYWAYCOAT	5 / 25 / 200 Ltr
Coverage - 6m ² / Lt / Coat	

Applications

- Protection of Iron & Steel from corrosion
- Concrete structures from ground water
- Tank lining (where potable water will be stored)





Thorseal / Acryl 60

THOROSEAL® - Cement based coating for waterproofing concrete and masonry.

THOROSEAL®, when mixed with water or an THORO ACRYL 60/ water blend (1 part THORO ACRYL 60 to 3 parts water) to a lump free consistency, provides a waterproof coating that is easily applied by brush or spray to concrete and masonry above and below ground level.

THORO® ACRYL 60 - Liquid bonding agent for cement mixes

THORO® ACRYL 60 is a special formulation of acrylic polymers and modifiers designed for use as an additive for cement mixes and other highlyalkaline building materials. THORO® ACRYL 60 is a milky-white liquid with a viscosity slightly higher than that of water. It is non-hazardous, non-corrosive and non-combustible.



Technical Data	
Product	Size
Thorseal	25 kg
Acryl 60	5 / 20 Litres
<i>Available in Grey or White</i>	
Applications	
<ul style="list-style-type: none"> • Tanking of basements • Water reservoirs • Tunnels • Swimming pools • Lift pits • Concrete pipes • Shower walls and floors 	

THOROSEAL® SUPER - A Single Component Polymer Modified Waterproof coating For Concrete & masonry.

THOROSEAL® SUPER, when mixed with clean water, forms an extremely durable waterproof coating for concrete and masonry which is easily applied by a stiff hand brush, broom or spray.



Thorseal FX100

An elastomeric, cement based waterproof coating for concrete and masonry.

THOROSEAL® FX 100 is a blend of Portland cements, selected silica and modifying agents. When mixed to a slurry consistency with the acrylic polymer emulsion THOROSEAL® FX 100 Liquid, it can be easily applied by brush, roller or spray equipment. It cures to give an elastomeric flexible membrane.

THOROSEAL® FX Mesh is a 100% virgin polypropylene woven fabric which can be used in strip form over joints and cracks or as reinforcement for the whole application.

Technical Data	
Product	Size
Thorseal FX100 Powder	25 kg
Thorseal FX100 Liquid	10 Litres

Applications

- Waterproofing water-retaining structures subject to movement.
- As part of the THORO basement waterproofing system, in areas sensitive to movement, vibrations and slight settlement.
- To protect concrete from water, carbonation and deicing salts.
- Suitable for internal and external use, against positive and negative water pressure.
- Wet area waterproofing where tiles are to be installed.



Thoroflex 200

Dynamic Joint Waterproofing System, DWI Approved for Use with Potable Water

THORO® FLEX 200 is a highly elastic pre- formed membrane for waterproofing over joints or cracks in water retaining structures, such as reservoirs and water towers, where a high degree of movement is expected in both vertical and horizontal applications .

The material is suitable for use on a number of different substrates including concrete, brick, block and metals. The system comprises of :

THORO® FLEX 200 MEMBRANE

THORO® FLEX 200 ADHESIVE (2 parts)

Technical Data	
Product	Size
Thoroflex 200	100mm x 20m x 1mm thick 200mm x 20m x 1mm thick 100mm x 15m x 2mm thick 200mm x 15m x 2mm thick
Adhesive (2 part)	5 kg

Applications

- Basements
- Water reservoirs
- Tunnels
- Water Towers



Thorseal 501

Capillary Waterproofing, Surface Applied Slurry System for use on Concrete & Mortar

THOROSEAL® 501 waterproofing system is for waterproofing concrete and cementitious substrates. When applied to the surface of concrete or mortar, insoluble crystals are formed and developed in the water bearing capillaries, effectively blocking the passage of water and ensuring permanent water tightness throughout the life of the structure.

THORO® WATERPLUG fast setting mortar can be used in conjunction with THOROSEAL® 501 to plug active water leaks in concrete and masonry.

Technical Data	
Product	Size
Thorseal 501	25 kg
Thorseal Waterplug	5 kg

Applications

- Water tanks and towers
- Reservoirs / Swimming pools
- Water treatment works
- Dams
- Canals / Harbours
- Concrete pipes

MAPEI Mapelastic

Mapelastic

Two-component polymer modified flexible cement-based mortar for waterproofing swimming-pools, balconies.

Mapelastic provides a highly flexible waterproof coating to concrete structures, particularly those subjected to cracking.

Mapelastic seals hairline cracks already present in substrates, it is also suitable for surfaces permanently in contact with drinking water, as long as its after its hardening, it is repeatedly washed with water at +40°C.

Apply at least two coats in a thin and uniform thickness (max 2 mm per coat), inserting into the first coat Fibreglass mesh Mapeisubstrates.

Alkali-resistant Fibreglass mesh inserted for reinforcing in the first layer of Mapegum WPS, Aquaflex system, Mapelastic smart, Adesilex FIS Plastisol 1 and bituminous type products to prevent the formation of cracks caused by tensions generated in the substrate.



Technical Data	
Product	Size
Mapelastic Part A	24 kg
Mapelastic Part B	8 kg
Applications	
Waterproof coating for balconies, terraces, bathrooms, etc. prior to laying directly applied ceramic floors onto surfaces that are clean and damp but free from standing water.	

Fibreglass Mesh



Supplied in 50 x 1M rolls

MAPEI Mapelastic Smart

Mapelastic Smart

Two component, high flexibility cementitious mortar, for waterproofing concrete surfaces, balconies, terraces, basins and swimming pools. Can be applied by brush or with a roller.

The mortar is applied by brush or with a roller on surfaces that must be perfectly clean and sound.

Apply thickness of at least 2 mm and embed the Fibreglass Mesh or Mapetex Sel. Avoid the Mapelastic Smart membrane come into contact with water for 24 hours after laying. Wait at least 5 days before laying ceramic tiles.

Application: by brush, roller or spray-rendering machine.

Consumption: approx. 1.6 kg/m² per mm of thickness when roller / brush applied;
approx. 2.2 kg/m² per mm of thickness when spray applied.



Technical Data	
Product	Size
Mapelastic Smart Part A	20 kg
Mapelastic Smart Part B	10 kg
Applications	
Mapelastic Smart is used to form highly flexible, waterproof and protective dressings on concrete structures, even those subject to cracking.	
It may be applied on cementitious screeds, existing floors (clean and well bonded to the substrate) and renders to waterproof bathrooms, showers, balconies, terraces and swimming pools before laying ceramic and natural stone.	

MAPEI Idrosilex Pronto

Idrosilex Pronto

Pre-blended heavy-duty waterproofing cementitious mortar. Use Idrosilex Pronto to waterproof foundations, walls, cellars, basements, lift-rooms, swimming-pools, canals and reservoirs.

Formulated from cement binders and special waterproofing additives, Idrosilex Pronto is prepared by mixing a 25 kg bag with 6-6.25 litres of clean water.

Idrosilex Pronto can be applied with a brush, trowel or spray. For application by brush or spray, apply 2-3 coats to the perfectly cleaned and solid substrate which must be thoroughly soaked with water beforehand. When applying by trowel reduce the mixing water to 5-6 litres for each bag

Consumption: 1.6 kg per mm of thickness.



Technical Data	
Product	Size
Idrosilex Pronto	25 kg
Applications	
<ul style="list-style-type: none"> • Interior and exterior cellar walls; • Damp areas; • Swimming pools and reservoirs; • Lift-rooms; • Underground passages; • Foundation walls; • Irrigation canals 	



FEBOND SBR

A Bonding And Waterproofing Admixture

FEBOND SBR is a styrene-butadiene co-polymer latex specifically designed for use with cementitious mixes. It is used in mortar and concrete as an admixture to increase water and abrasion resistance and durability. It is used with cement as a reliable water resistant bonding agent

For all normal use the standard dose of 10 litres of FEBOND SBR per 50 kg Portland Cement is adequate



Technical Data

Product	Size
Febond SBR	5 / 25 & 205 Litres

Applications

- Concrete repair
- Floor screeds and toppings
- External rendering
- Waterproofing and tanking
- Fixing brick slips and tiles
- Corrosion protection of steel
- Silage pit lining and protection



Planicrete SBR

Planicrete SBR

Synthetic-rubber latex additive for interior and exterior cement mixes, to improve mechanical and adhesive characteristics.

Additive for cement slurries for anchoring bonded screeds, filling holes or repairing damaged sections of screeds, concrete floors etc.

Additive for spatterdash to provide anchoring for renders. Do not use pure Planicrete as a primer or slurry, always mix it with Portland cement, or, when required, with Mapecem or Topcem



Technical Data

Product	Size
Planicrete SBR	1 / 5 10 & 25 kg

Applications

High strength cement screeds for interior and exterior use.

- Cement mortars for laying ceramic tiles with the conventional technique.
- High strength cement renders for interiors and exteriors



Idrosilex

Idrosilex

Integral waterproofer for cementitious mortars. Use Idrosilex to obtain waterproof renders and screeds. Idrosilex is especially recommended for waterproofing basements, swimming-pools, reservoirs, tunnels etc.

Idrosilex is based on waterproofing additives available both as a liquid and a powder. To use Idrosilex Powder, add it to the batch of dry cement and sand and mix with water until a completely uniform mixture is obtained.

To use Idrosilex Liquid, dilute it in the mixing water. The mixture obtained with Idrosilex is applied like any normal rendering mortar.



Technical Data

Product	Size
Idrosilex Liquid	6 & 25 kg
Idrosilex Powder	25 x 1kg bags

Applications

- Waterproof screeds and renders in basements, garages & underground areas in general;
- Waterproof rendering for canals, swimming pools, etc;
- Waterproof rendering on building façades;
- Waterproofing of lift wells and underpasses.



Ronafix

Ronafix is a high performance site batched, Agrément Board certified, water based SBR polymer for producing waterproof renders. The cured mortar bonds monolithically to concrete and other surfaces and will resist both positive and negative pressure. Ronafix is used in swimming pools, tanks and basements to contain or exclude water.

For damp proofing walls use Ronafix as a thin bonded render to resist moisture and the passage of hygroscopic



Technical Data

Product	Size
Ronafix	5 / 25 & 230 Litres

Applications

- Thin bonded render, screed and cove
- Internal and external application
- Basements, swimming pools, ponds, tanks,
- Suitable for use on concrete, brickwork, blocks



SIKA 1,2,3 & 4



Sika 1

Sika 1 is an aqueous solution containing complex colloidal silicates. In the presence of water these swell and block the capillaries and pores in the applied sand/cement renders, screeds and mortar to provide an effective barrier against the transmission of liquid water.

Sika 2

Sika 2 is a ready to use rapid setting leak stopping liquid which is mixed with ordinary portland cement to produce a paste for rapid leak sealing against high water pressure infiltration.

Sika 3

Sika 3 is an all purpose setting and hardening accelerator also repairing cracks and joints (contains calcium chloride). A mortar accelerator for sealing joints in brickwork, blockwork, masonry and rock fissures.

Sika 4

Sika 4 is a ready to use quick setting leak stopping liquid which is mixed with water and ordinary portland cement to produce a paste for leak stopping against low water pressure infiltration.

Sika 4a

Sika 4a is a ready to use quick setting leak stopping liquid which is mixed with water and ordinary portland cement to produce a paste for leak stopping against high water pressure infiltration.

Applications

- Waterproof renders to resist water pressure below ground.
- Waterproof screeds to resist water pressure below ground.
- Waterproof renders to resist moisture above ground level.
- Internal waterproof tanking.
- General waterproofing admixture for mortar
- Part of the Sika Watertight Concrete system

Applications

- To seal against high water pressure infiltrations in concrete, rock or masonry.
- Allows Sika 1 renders, gunite or shotcrete to be applied on structures exposed to running surface water.

Applications

- To seal leaking joints in brickwork, subject to low pressure and small water infiltration.
- To seal fissures in rock subject to low pressure and small water infiltration.
- As an antifreeze in mortar for cold weather working down to -2°C.

Applications

- To seal against low water pressure and small infiltrations in concrete, rock or masonry.
- Allows Sika 1 renders to be applied on structures exposed to surface water.

Applications

- To seal against high and moderate water pressure infiltrations in concrete, rock or masonry.
- Allows Sika 1 renders, gunite or shotcrete to be applied on structures exposed to running surface



Type	Set Time	Consumption	Pack size
Sika 1	n/a	1.5L per 50kg cement	5.25 Litres
Sika 2	10 - 20 sec	0.75 Litres per kg cement	5 Litres
Sika 3	1 - 3 mins	0.23 - 0.7 Litres per kg cement	5 Litres
Sika 4	25+ sec	0.15 - 0.7 Litres per kg cement	5 Litres
Sika 4a	45 sec	0.18 - 0.35 Litres per kg cement	5.25 Litres



Dryzone Cream



Dryzone is a revolutionary new material for the control of rising damp. Dryzone comes in the form of a water-repellent cream packed in a 600ml foil cartridge to minimise environmental impact.

The Dryzone cream is introduced by means of a simple applicator gun into a series of holes drilled into the mortar course.

How many tubes of Dryzone do I need

Wall thickness	4 1/2" (110 mm)	9" (220 mm)	13 1/2" (330 mm)	18" (440 mm)
Length of wall				
10m	1.5	3.0	5.1	7.0
20m	3.0	6.0	10.2	13.0
30m	4.6	9.0	15.3	21.0
40m	6.1	12.0	20.4	28.0

Once the Dryzone is installed, it uses the moisture contained in the damp wall to diffuse where it is most needed before curing to form a water repellent resin.

Technical Data

Product	Size
Dryzone	600ml Cartridges

Applications

- Quick to install - no "double drilling"
- Easy to install - less scope for operator error
- Concentrated formulation
- Low hazard - non-caustic, non-flammable
- Spillage and mess virtually eliminated
- Consistent application rate
- Does not require an electric DPC pump



Supercast SW10 / SW20



Swellable waterstops for in-situ concrete

Supercast SW swellable waterstops are made from high performance synthetic elastomeric strips. The swelling action of the Supercast SW range is the result of contact between water and hydrophilic groups which are an intimate part of the Supercast polymeric structure. These hydrophilic properties are not subject to extraction and loss of swelling performance by prolonged or repeated wetting



Integral sealing for construction joints in concrete cast in-situ. Convenient and problem solving in situations where a conventional waterstop would require complex shuttering. Typical uses include secant piled and diaphragm walled basements, pile caps and casting against old concrete. The Supercast SW range can provide simple solutions to detailing pipe entries, construction joints in the vertical plane and to kicker joints.

They can be linked to Supercast PVC waterstops to give an appropriate effective combination of waterstops which maintain network continuity.

Technical Data

Product	Size
Supercast SW10	5mm x 20mm x 15m
Supercast SW20	10mm x 20mm x 5m
Supercast SWX	310ml Cartridge
Supercast SW Adhesive	380ml Cartridge

Applications

- Easy Installation - no site welding, complete watertight seal using Supercast SWX adhesive
- Excellent durability - can accommodate repeated wet / dry cycles
- Tolerant of salts in concrete and groundwater
- Wrc approved - for use in potable water applications
- Available in 2 grades SW10 & SW20



Supercast PVC Waterstops

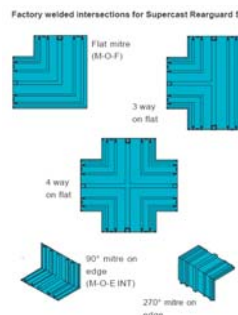


Centrally and externally placed PVC waterstops

The Supercast range of PVC waterstops is designed to provide an integral sealing system for movement and construction joints in concrete cast in-situ.

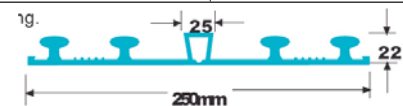
Supercast Rearguard

When used on ground slabs where the waterstop is supported on blinding, Supercast Rearguard profiles usually require no fixing. Lay the waterstop centrally over the line of the joint to be formed. Fixing to vertical shuttering is done by nailing through the outer nailing flanges leaving the head of the nail proud so that it is held in the cured concrete. This prevents the waterstop being displaced when the shuttering is struck.



Technical Data

Product	Size
Rearguard S200	200mm x 12m
Rearguard S250	250mm x 12m



Supercast Hydrofoil

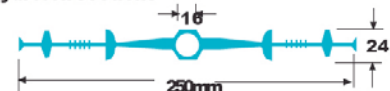
Centre bulb sections are used in expansion, contraction and construction joints. The centre bulb allows for movements in a structure to be accommodated whilst its hexagonal design provides a flat surface.

This allows shuttering and joint fillers to fit snugly. All centrally placed Supercast waterstops incorporate an eyeletted, reinforced edge flange. This enables them to be easily positioned by wiring to surrounding reinforcement.

Technical Data

Product	Size
Hydrofoil H200	200mm x 15m
Hydrofoil H250	250mm x 12m

Hydrofoil sections



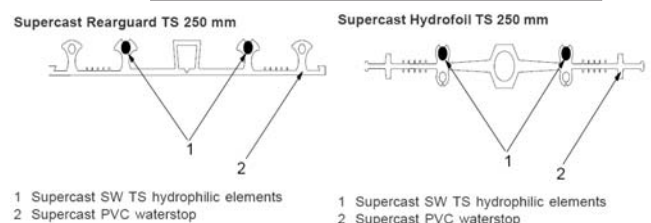
Supercast Twinstop

SUPERCAS TWINSTOP has been specially designed to provide significant advantages over co-extruded hydrophilic waterstops.

This enables the PVC waterstop to be fixed on site in the usual way, and provides the additional benefit of exposing two hydrophilic elements, by removing the Twinstop Security Seal tape just before the concrete is poured, thus avoiding the common problem of hydrophilic pre-swell on site.

Technical Data

Product	Size
Rearguard TS 250	250mm x 12m
Hydrofoil TS 250	250mm x 12m

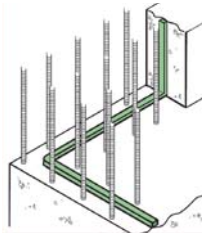


GRACE Waterstops

Construction Products

Adcor® 500S

A conformable, swellable polymer/butyl rubber waterstop strip that expands in contact with water. When fully encapsulated by poured concrete, the expansive forces form a seal against concrete faces. The seal resists hydrostatic pressure, stopping water from entering sub-structures.

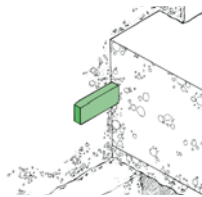


Technical Data

Products	Packaging
Adcor 500s	20mm x 25mm x 5m
Adcor Mastic	310ml Cartridge
Adcor Adhesive	310ml Cartridge
Adcor Mesh	1m Strips
Secura Clips	Each

Servistrip® AH 205

Servistrip AH 205 is a solid swellable rubber hydrophilic strip that exceeds the performance of thinly coated or hollow swellable strips. It can be cast into insitu concrete or used between insitu and existing concrete sections to provide a highly effective watertight seal. The rate of swelling is up to 400% from the original volume and is controlled to allow installation and exposure to rain.



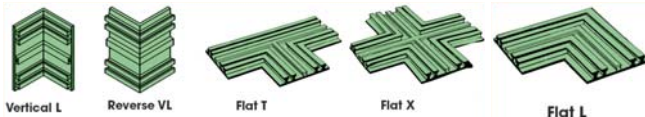
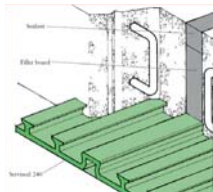
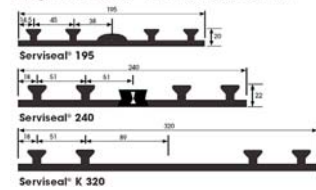
Technical Data

Products	Packaging
Servistrip AH205	20mm x 5mm x 10m
Pak Adhesive	310ml Cartridge

Serviseal®

Serviseal is an externally cast passive PVC waterstop system manufactured in a range of sizes for the protection of expansion, construction and contraction joints in reinforced concrete basements and sub-structures.

Range of Sections - all dimensions nominal

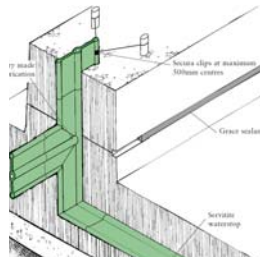


Technical Data

Products	Packaging
Serviseal 195	195mm x 10m
Serviseal 240	240mm x 7.5m
Serviseal K320	32mm x 7.5m
Serviseal PC	7.5m Coil

Servitite®

Servitite is a specially formulated PVC, internally cast, heavy duty waterstop system manufactured in a range of sizes and grades for use in reinforced concrete structures. Servitite is cast into the centre of the concrete member where it provides resistance against high hydrostatic pressure from both faces.



Technical Data

Products	Packaging
Servitite 150	150mm x 7.5m
Servitite 230	230mm x 5m
Servitite 305	305mm x 5m

PVC Edgetie™

PVC Edgetie is an internally cast passive waterstop system manufactured in a range of sizes for sealing joints in concrete structures subject to water pressure.

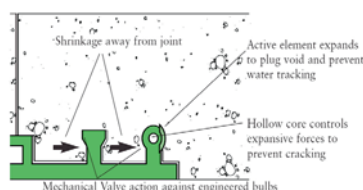
Technical Data

Products	Packaging
Edgetie 210	210mm x 10m
Edgetie 260	26mm x 7.5m

AT System

AT System waterstops have been specially developed for water excluding and retaining structures such as basements, reservoirs or sewage treatment works.

The AT System is an important advance in concrete joint protection that combines 'active technology' with the conventional mechanical properties of internally or externally placed PVC waterstops.



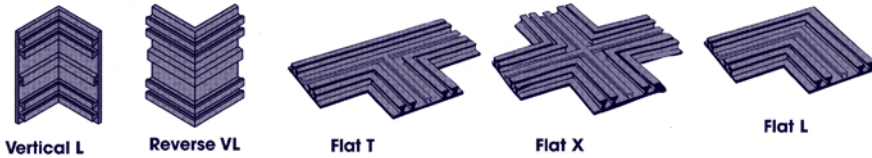
Technical Data

Products	Packaging
AT System 200	200mm x 7.5m
AT System 240	240mm x 7.5m

Bluebay PVC Waterstops

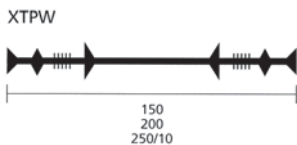
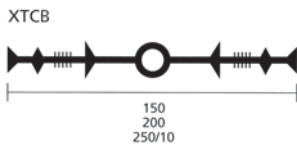
Bluebay high performance PVC waterstops for secure sealing of concrete structures. These high integrity multi-finned waterstops incorporate fines control barriers which improve density and provide superior sealing

Bluebay waterstops are interconnectable using preformed transitions and joints to allow a continuous seal in reinforced concrete structures.

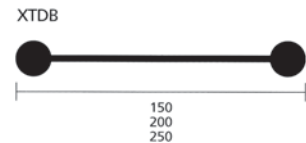
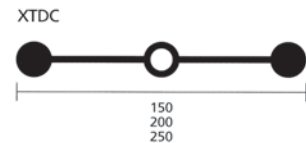
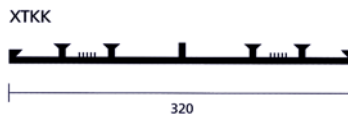
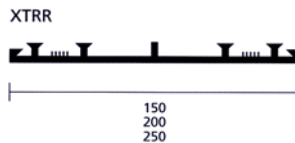
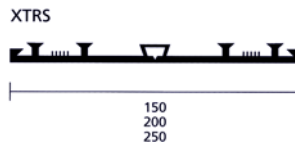


XTCB waterstops can be used in vertical and horizontal expansion joints giving two-way hydrostatic pressure resistance when cast centrally.

The XTCB / XTPW profiles are available with eyelets if required. The range is complete with the XTRS, XTRR and XTKK profiles.



All 250mm wide waterstops are available with a 10mm heavy duty



Technical Data

Product Accessories

- Jointing Jig
- 110v Hot Knife
- Gas Heated Knife

Applications

- Wide range of profiles
- Specific design for unique applications
- Eyelets
- Strength combines with flexibility
- Wrc approved for potable water
- For use with: construction & expansion joints, Contraction joints, internal / external joints.

Product Range	Product Size
XTCB 150	10 m Coil
XTCB 200	10 m Coil
XTCB 250/10	10 m Coil
XTPW 150	10 m Coil
XTPW 200	10 m Coil
XTPW 250/10	10 m Coil
Flat L T X Rev VL Vert L	

Product Range	Product Size
XTRS 150	10 m Coil
XTRS 200	10 m Coil
XTRS 250	10 m Coil
XTRR 150	10 m Coil
XTRR 200	10 m Coil
XTRR 250	10 m Coil
XTKK 320	10 m Coil
Flat L T X Rev VL Vert L	

Product Range	Product Size
XTDC 150	10 m Coil
XTDC 200	10 m Coil
XTDC 250	10 m Coil
XTDB 150	10 m Coil
XTDB 200	10 m Coil
XTDB 250	10 m Coil
Flat L T X Rev VL Vert L	

THOROPLUG

Ultra Rapid Setting Mortar to Plug Active Water Leaks

THORO WATERPLUG, when mixed with clean water, provides a ready to use ultra rapid setting durable plugging mortar for active water leaks in concrete and masonry. The material expands as it cures to form a watertight seal with similar characteristics to concrete.

THORO WATERPLUG is used to stop active water or seepage under pressure through joints, cracks and holes in concrete or masonry, where a normal mortar would be washed away and resin mortars would not bond

Technical Data

Product	Size
Thoro Waterplug	5 & 25 kg

Features & Benefits

- Ultra-rapid set, instant plugging of leaks
- Requires the addition of water only
- Expands as it sets, giving a permanent watertight seal
- Does not promote corrosion of the reinforcement
- Similar characteristics and compatible with concrete
- Chloride-free
- Does not promote corrosion of the reinforcement



Synkoflex



Synkoflex

Synkoflex is a unique non-swelling, pre-formed plastic adhesive waterstop that bonds fast to cured concrete surfaces and fuses with fresh concrete.

It provides watertight integrity for construction joints in concrete structures in places where swellable waterstops are not best suited, such as bund walls and thin section walls and slabs.



Technical Data

Product	Size
Synkoflex	5mm x 20mm x 15m

Applications

- Can be applied onto freshly poured concrete
- Can be applied onto existing concrete which is primed with Synkoflex Primer
- Easily joined to Supercast PVC waterstops
- Highly adaptable to complex joint shapes
- Resistant to chemicals



Dualeal Waterstop



Dualeal Waterstop

Dual Seal Waterstop is a Bentonite based waterstop which reacts in contact with water by swelling to form a watertight seal in concrete structures.

Dual Seal Waterstop has been independently tested up to 30 metre head of water, it has full WRAS approval for use with potable water.

Uses:

Dual Seal Waterstop has been specifically designed to seal construction joints against the ingress or outgress of liquids in water retaining or excluding structures. Dual Seal Waterstop can be applied to green concrete and in damp conditions.

Technical Data

Products	Size
Thickness	7mm
Roll Width	25mm
Roll Length	8m



Dualeal Swelltite

Dualeal Swelltite

Swelltite Hydrophilic Waterstop is manufactured from a neoprene polymer based hydrophilic compound and high water absorbent resins. Swelltite has been specifically designed for use in sealing construction joints between pre-cast concrete units, steel and in-situ concrete.

Unlike traditional waterstops Swelltite is centrally placed and bonded flat in the joint prior to making the second pour. Activated by water Swelltite will swell up to 5 times it's volume and seal the passage of water by exerting pressure across the joint.

Technical Data

Products	Size
Thickness	5mm
Roll Width	20mm
Roll Length	15m

Applications

Swelltite was primarily developed for use to provide a watertight seal between pre-cast concrete units such as concrete pipes and tunnel segments, however it can be installed into a previously formed rebate for use in in-situ concrete.



Hydrotite

Hydrotite is the original expanding rubber seal used in a variety of applications for sealing joints against water penetration.

Initially developed for sealing segmental concrete tunnel linings, Hydrotite is a compound of polychloroprene (Neoprene) and hydrophilic resin. When in contact with water and allowed to expand freely (depending on the grade and water conditions), Hydrotite will swell up to 7 times its original volume.

In practice, Hydrotite should be confined in a joint and will expand to fill the gap and create a pressure between the joint faces. By careful selection of the section to suit the application, pressures significantly in excess of 10 bar can be sealed.



Technical Data

Products	Size
Hydrotite	7mm x 25mm x 10m
Hydrotite Primer	5 Litres

Applications

- Concrete /cast iron segmental tunnels / shafts
- Construction joints in in-situ concrete
- Box culverts
- Flexible jointed concrete pipes and steel banded jacking pipes
- Swimming pools and tanks
- Fixings to existing concrete or brickwork for penstock valves etc

de neef® Waterbars & Accessories

Bentorub +

Bentorub®+ is a green flexible hydrophilic strip made of natural sodium bentonite clay and synthetic rubber. It comes in lengths of approx. 5 metres.



Due to the shrinkage of the drying concrete, small cracks and voids will appear in the construction and cold joints, through which water can penetrate. In contact with water, Bentorub®+ will swell to approximately 400% of its original volume. The expansive clay mass will thus seal these hair line cracks and voids in the joint.

Bentorub Salt

Bentorub® Salt is a red flexible hydrophilic strip made of natural sodium bentonite clay and synthetic rubber.



Bentorub® Salt has the same qualities as Bentorub®+ but is manufactured to be used in contact with salt or brackish water. In contact with salt water, Bentorub® Salt will swell to approximately 250% of its original volume.

Bentorub Accessories

Bentosteel - Galvanised steel wire mesh for secure installation of Bentorub®+ in horizontal and vertical applications.

Bentoglue - Bentoglue is a high strength adhesive for glueing Bentorub®+ bentonite

Bentostic - Bentostic is a green hydrophilic levelling putty to be used in conjunction



Technical Data

Product	Size
Bentorub +	20mm x 25mm x 5m (30m per box)
	20mm x 10mm x 5m (35m per box)

Applications

- Bentorub®+ is designed for sealing construction joints, cold joints and working joints in concrete, around pipe penetrations, in sewer joints, against slurry walls, sheet piling, etc.
- Can be used in combination with Infiltra Stop in situations, which are deemed to be high risk

Technical Data

Product	Size
Bentorub Salt	20mm x 25mm x 5m (30m per box)

Applications

- Bentorub® Salt is designed for sealing construction joints, cold joints and working joints in concrete, around pipe penetrations, in sewer joints, against slurry walls, sheet piling in contact with salt water and brackish water.

Technical Data

Product	Size
Bentosteel	30No. units each 1m in length
Bentoglue	310ml cartridge (approx 6m per cart)
Bentostic	5kg Pail

de neef® Swellseal Mastics & Strips

Swellseal 3V

Swellseal 3V is an elastic strip made out of a combination of rubber and a hydrophilic resin. Enclosed between prefabricated concrete elements, it will expand in contact with water and in this way seal the joint. Swellseal 3V has a swelling capacity of up to 3V in contact with water.



Technical Data

Description	Size
Black	20mm x 5mm x 15m (5 per box)
Contact Adhesive	1 Litres

Swellseal Joint

Swellseal Joint is a flexible co-extruded vulcanised strip made out of a combination of chloroprene rubber and a hydrophilic resin. The orange part has a swelling capacity of up to 600% in contact with water. The black part (= compression zone) has a swelling capacity of 150%. The ridged finish assures a better adhesion to concrete



Technical Data

Description	Size
Orange/Black	20mm x 7mm x 10m (3 per box)
Contact Adhesive	1 Litres

Swellseal Mastic / WA

Swellseal Mastic is a one-component, polyurethane based, solvent free, hydros swelling mastic, supplied in cartridges and aluminium sausages, for the sealing of construction joints and around pipe penetrations.



Technical Data

Product	Size
Swellseal Mastic / WA	310ml Cartridges
Swellseal Mastic / WA	600ml Sausages

Swellseal WA to be used for wet / underwater applications.



Applications

- Due to its special formulation, Swellseal® WA can be applied to wet surfaces or in underwater applications.
- Swellseal® adheres to concrete, PVC, HDPE, steel, and fibreglass

Coatings & Repair

Aquatek Elastic 2C

Aquatek Elastic 2C is a 2-component coating containing cement, selected silica's, fibres, modifiers and a water based acrylic liquid.



Aquatek Elastic 2C cures into a flexible, waterproof coating which allows a movement up to 0,6 mm and up to 1,2 mm if reinforced with Reinforcement Mesh.

Aquatek Super XA

Aquatek Super XA is a powder with a very high concentration of active ingredients, composed of Portland cement, selected silicas, chemically reactive ingredients and modifiers.



When mixed with water and applied to a concrete surface, its active chemicals combine with the free-lime and the humidity, to form long chained insoluble crystalline complexes which block the capillaries and micro-fissures in the concrete, thus stopping water penetration.

Aquatek Plug (XF)

Aquatek Plug & Plug XF are powders composed out of cement, selected silicas and modifiers.



When mixed with clean water Aquatek Plug & Plug XF provide rapid setting plugging mortars.

Technical Data		
Colour	Packaging	Consumption
Grey / White	23 kg bag with plastic liner + 9 kg pail	Approximately 3.4 kg powder/m/mm.

Applications
<ul style="list-style-type: none"> Waterproofing of concrete and masonry which are susceptible to movements under positive or negative water pressure- below or above the ground water table. Horizontal and vertical applications in water reservoirs, tunnels, caves, swimming pools, etc.

Technical Data		
Colour	Packaging	Consumption
Grey / White	25 kg bags with plastic liner	approx. 1.50 kg/m ² powder

Applications
<ul style="list-style-type: none"> Waterproofing and protective coating for concrete constructions, both below and above ground. Basements, water reservoirs, water tanks, water treatment plants, tunnels, swimming pools, canals, conduit pipes, ponds etc. can be permanently sealed with Aquatek Super XA.

Technical Data		
Colour	Packaging	Consumption
Grey	10 - 25 kg metal pail	approx. 1,45 kg powder per 1L of water.

Applications
<ul style="list-style-type: none"> Stops active water leaks and seepage, even under high pressure through joints, cracks, honeycombing and holes in all structures made out of concrete, masonry, stone and renders

Resins

Denepox 40

An ultra low viscosity, 2-component epoxy injection resin for structural injections in concrete.



Denepox 40 can be used in a dry or wet environment

Technical Data		
Colour	Packaging	Consumption
Transparent	Part A - 2.3kg pail Part B - 0.7kg pail	Dependant upon width / depth of cracks

Applications
<ul style="list-style-type: none"> Low pressure injection for structural bonding of cracks a in concrete. Bonding and anchoring. Sealing of porous low density concrete. Denepox 40 is not suited for applications in contact with moving water

Gelacryl Superflex

Gelacryl Superflex is a 2 component acrylic based hydrophilic resin, consisting of 2 components: a resin and a catalyst which are pumped with a twin piston pump at a 1/1 ratio.



Once polymerised, Gelacryl Superflex forms a resilient, highly elastic gel. SP200 Catalyst & TE300 initiator to be ordered seperately.

Technical Data		
Colour	Packaging	Consumption
Transparent	25 kg drum	Dependant upon size of cracks

Applications
<ul style="list-style-type: none"> Repairing water leaks in structures under permanent water pressure. Water control during tunnelling operations. Curtain grouting. Waterproofing of underground structures in concrete or masonry. Waterproofing of tunnel liners.

de neef® Polyurathane Grouts

HA Cut

1-component, low viscosity, hydrophobic, aqua-reactive, semi-rigid polyurethane injection grout for cutting off gushing water leaks with a high flow rate and/or high hydrostatic pressure in applications where both high strength and flexibility are required.



HA Cut Cat

HA Cut Cat are pink non-flammable liquids. HA Cut Cat are catalysts for HA Cut water-cutting resin for applications in cold temperatures or when use of the standard catalyst does not give a fast enough reaction. HA Cut Cat F is used in 5-10% mixing ratio.

HA Flex LV

1-component, medium to low viscosity, hydrophobic, aqua-reactive, flexible polyurethane injection grouts for filling and repairing of joints and water leaks in concrete constructions.



HA Flex Cat

HA Flex Cat are non-flammable liquids. HA Flex Cat are catalysts for HA Flex LV water-cutting resin for applications in cold temperatures or when use of the standard catalyst does not give a fast enough reaction. HA Flex Cat is used in 5-10% mixing ratio.

Technical Data

Product	Packaging
HA Cut	25 kg drum
HA Cut Cat	2.5kg bottle

Applications

- Designed for cutting off gushing water leaks with a high flow rate
- Used to block leaks into diaphragm walls.
- Filling large voids such as rock fissures, crushed faults, gravel layers, joints, cracks and honeycombs in concrete structures
- For curtain injections behind tunnel segments.
- For screen injection behind porous structures when high velocity water streams are present.

Technical Data

Product	Packaging
HA Flex LV	25 kg drum
HA Flex Cat	1kg bottle

Applications

- Designed for grouting joints / stopping water leaks in concrete structures
- Used for protective waterproofing and gap filling
- For stopping water leaks through joints between tunnel segments.
- For injection of the LPDE or HDPE membrane in tunnel constructions.
- For curtain injections behind tunnel segments.
- Injection of LDPE or HDPE membrane in tunnel construction.

de neef® Infiltrastop Injection System

Infiltra Stop is a preventative injection tube for the permanent sealing of cold and construction joints in concrete, pipe penetrations and voids between slurry walls and slabs, etc. Where new and old concrete will join an injection tube is installed.



When water is infiltrating into the joint, a De Neef injection grout is injected through the PVC end pieces, which protrude out of the concrete at easily accessible places. This way the joint is sealed. Preferably, the injection will be executed after curing and setting of the concrete. The leaking joints can thus be permanently sealed.

Technical Data

Product	Packaging
Infiltrastop	30m Kit
Reinforced PVC Tube	2.5m + caps
Anchoring Clips	100 No.
Blue Trumpets	10 No.

Applications

- Sealing of cold and construction joints, pipe penetrations, joints between slurry walls and slabs through post-injection of the tube with De Neef resins.

de neef® Crack Injection Kit

Complete epoxy resin injection system in kit form for injecting small or shrinkage cracks in concrete constructions.

The kit is composed of 40 crack injectors, a quantity of epoxy injection resin, rubber gloves, polyester paste for fixing the crack injectors to the surface, a pallet knife and syringes



Technical Data

Product	Packaging
Crack Injector	40 Pieces
Polyester Paste	1 Kit
Pallet Knife	1 No.
Rubber Gloves	2 Pairs
Syringes	2 Pieces
Denepox 40	1.5kg