Crommelin®

Waterproofing

Waterproofing Membranes
Product Guide

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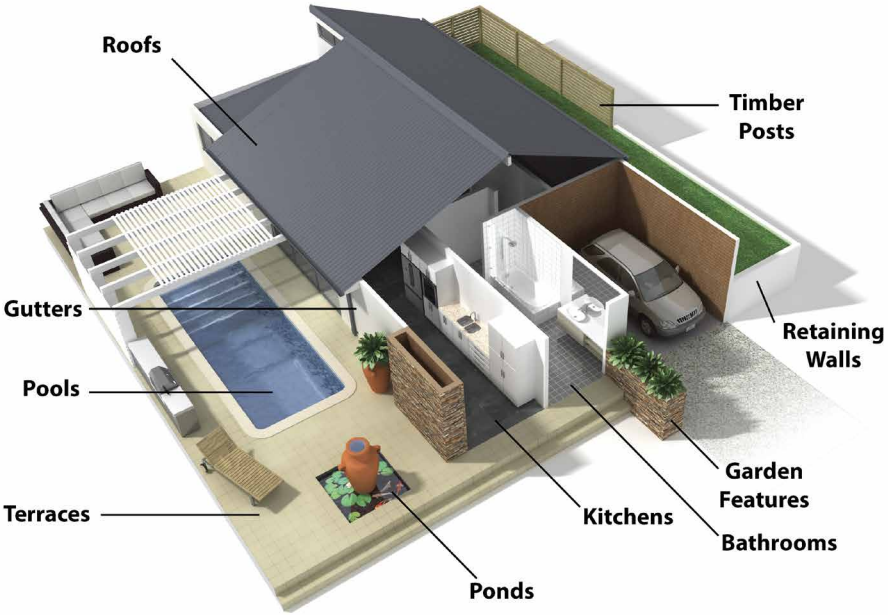
Waterproofing

Why Waterproof?

- Waterproofing keeps water where you want it and out of where you don't
- Protect your home from structural and cosmetic water damage
- Prevent dangerous and unsightly mould and mildew
- Promote long term building comfort and performance
- Save money by avoiding difficult and costly repairs

What to consider when choosing a waterproofing membrane

- Where are you applying?
- What key performance features do you need?
- Is your drainage design adequate for your project?
- Does your project require positive or negative side waterproofing?

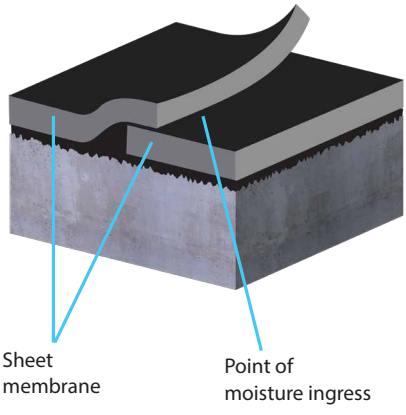


Liquid applied membrane advantages

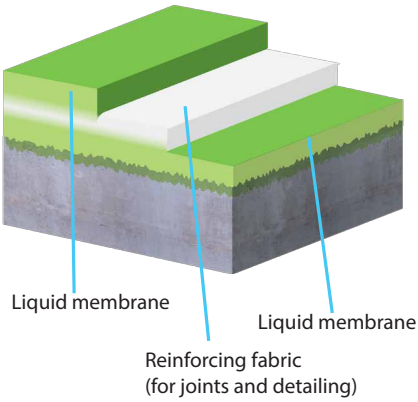
Liquid applied waterproofing membranes:

- Provide a highly waterproof protective barrier
- Allow for seamless application, eliminating points of moisture ingress
- Are permanently flexible to accommodate structural movement
- Deliver a high strength bond to substrate
- Are highly durable with good chemical and abrasion resistance

Typical Sheet Membrane



Liquid Applied Membrane



When to waterproof

- Waterproofing should be included as part of any construction project, and shouldn't be a secondary thought
- Waterproofing should only be applied to dry and sound substrates
- Only waterproof when the correct membrane has been chosen for the project

When not to waterproof

- When the substrate is damp (unless suitable product is chosen)
- When the substrate is dusty or friable
- During times of temperature extremes – hot or cold
- If rain of high humidity is expected during cure phase

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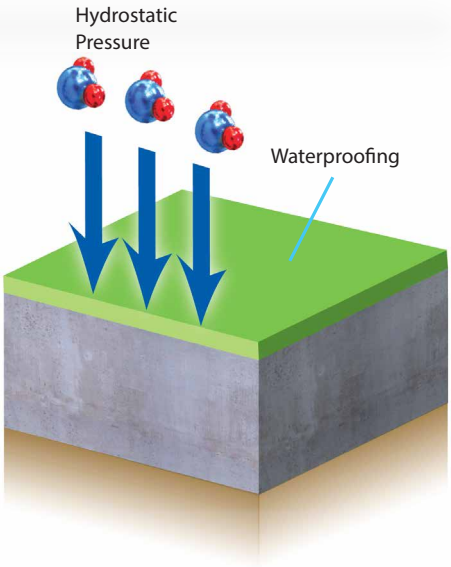
Positive or negative waterproofing

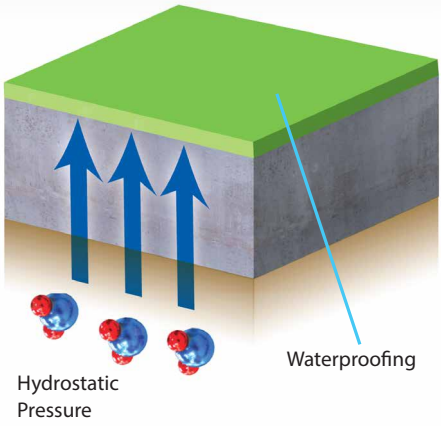
Positive side waterproofing

- When movement of moisture is from the front of the waterproofing coating, effectively pushing the membrane onto the substrate
- Both positive and negative waterproofing membranes may be used in this situation
- Correct film thickness of coating must be applied to ensure waterproofing performance



Negative side waterproofing

- When movement of moisture comes through the substrate, behind the waterproofing coating, effectively trying to push the membrane off of the substrate
- Only use waterproofing coatings specifically engineered for negative hydrostatic pressure situations
- Correct film thickness of coating must be applied to ensure waterproofing performance



Where am I waterproofing?

Below ground and non-exposed waterproofing

- Membrane must be applied to the positive side of the structure
- Substrate must be completely dry and correct film thickness is vital
- Membrane must be protected from damage during back filling
- Suitable applications include retaining walls, timber posts, planter boxes and pots.
- Suitable substrates include concrete, brick, timber, metal and most other common construction materials

Wet area and under tile waterproofing

- Membrane must be applied to the positive side of the structure
- Substrate must be completely dry and correct film thickness is vital
- Tiles may be directly adhered to membrane
- Suitable applications include showers, bathrooms, kitchens, wet areas, balconies and swimming pools (in conjunction with epoxy grout)
- Suitable substrates include concrete, brick, timber, ply, cement sheeting and most other common construction materials

Exposed area waterproofing

- Membrane must be applied to the positive side of the structure
- Only highly durable membranes with good UV resistance should be used
- Substrate must be completely dry and correct film thickness is vital
- Suitable applications include roof decks, gutters and gardens, balconies and terraces prior to over coating
- Suitable substrates include concrete, brick, timber, metal, cement sheeting and most other common construction materials

Damp substrates and negative side waterproofing

- Membrane may be applied to either positive or negative side of the structure
- Substrate may be damp, but without standing water
- Correct film thickness is vital
- Suitable applications include water retaining structures, basements, retaining walls, high traffic areas and damp substrates
- Suitable substrates include concrete, brick, timber, cement sheeting and most other common construction materials

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Surface preparation

Surfaces must be clean

- Remove all surface contaminants including dirt, dust, grease, oil, mould, cement laitance and curing compounds
- If surface has been ground, remove dust by vacuum and pressure wash or wet vac
- If surface is not clean, membrane adhesion will be compromised
- Poor adhesion will lead to delamination of the membrane
- If surface contaminants or residues cannot be removed, the use of an epoxy primer such as Crommelin® Dampstop may assist with membrane adhesion

Surfaces must be sound

- Dusty or friable surfaces must be primed prior to membrane application
- Surface priming will ensure maximum membrane adhesion
- Method of priming is dependent upon choice of membrane
- Surface imperfections should be removed or made good with suitable repair mortar
- All surface protrusions must be removed to provide a smooth surface for membrane application
- Surface imperfections are a common cause of membrane failure and water ingress

Surfaces must be dry

- A moisture test must always be done to ensure that substrate is dry enough to waterproof
- It is recommended to use a Crommelin® Moisture Meter, an easy to use electronic device that accuratley measures the moisture content prior to coating with membranes, sealers or paints
- If the substrate is damp, without standing water, a suitable damp substrate waterproofing membrane must be used
- Waterproofing damp substrates may compromise adhesive strength of the membrane
- Bubbles and blisters may appear in the membrane if excessive moisture is present in the substrate

Drainage

- Adequate falls and drainage must form part of any building design, to ensure maximum performance of waterproofing membranes
- Inadequate drainage may lead to membrane failure and costly water damage

Previously waterproofed surfaces

- Ensure that the existing coating is compatible with the new membrane
- Ensure that the existing coating is well adhered to substrate
- Areas of damage or leaking should be repaired
- If in doubt, remove existing membrane before re-application

Membrane application

- Correct waterproofing membrane should be chosen for project, service and substrate
- Reinforcement of construction joints and corners is recommended with Crommelin® Reinforcing Bandage
- Apply membrane with Crommelin® Membrane Applicator Brush or Roller to ensure optimum membrane delivery
- Ensure that environmental conditions, including temperature and humidity, are suitable for membrane application
- Always apply membrane at the correct coverage rate to ensure correct film thickness
- Apply second coat at 90^0 to the first to ensure full coverage
- Ensure membrane does not become too thick at corners
- Provide adequate ventilation and air flow to assist cure
- Do not expose to water until full cure has been achieved
- Protect membrane from damage during back filling or over-coating. Do not overcoat until full cure has been achieved

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Waterproofer Selector Guide

Product	Product	
	Application	Postivie/Negative Side Application
Rapid Re-Coat PU Modified	Wet Area & Under Tile	+
Flex-300		+
Premixed Under-tile Floor Screed		N/A
Shower Waterproofing Membrane		+
Liquid Reinforcing Fabric		+
Shower Sealer & Waterproofer		+
Exterior Grade Waterproofing	Exposed	+
Pond Sealer - Colours		+
Pond Sealer - Clear		+
Dampstop	Damp Substrates & Negative Side	+/-
Trowel On Waterproofing		+/-
Blackseal	Below Ground and Non-Exposed	+
Water Based Bitumen Paint		+

Colour	Potable Water Safe	Substrates													
		Brick	Cement Sheeting	Chip & Ply Board	Concrete	Concrete Block	Existing Membranes	Fibre Glass	Grout	Metal	Plaster Boards	Render	Screeds & Levellers	Scyon Board	Timber
Grey		●	●	●	●	●	●	●		●	●	●	●	●	●
Grey		●	●	●	●	●					●	●	●	●	
Grey		●	●	●	●	●							●		
Green		●	●	●	●	●	●	●		●	●	●	●	●	●
Green		●	●	●	●	●	●	●		●	●	●	●	●	●
Clear									●						
Grey	●	●	●	●	●	●	●	●		●	●	●	●	●	●
Black/SST/Blue		●	●	●	●	●	●	●				●	●		●
Clear		●	●		●	●	●					●	●		
Grey		●	●	●	●	●	●	●		●	●	●	●	●	●
Grey	●	●	●		●	●	●				●	●	●		
Black	●	●	●	●	●	●				●		●			●
Black	●	●	●	●	●	●				●		●			●

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Wet Area & Under Tile

Rapid Re-Coat PU Modified

- Rapid re-coat in 1 hour, tile over in 24 hours
- Class III to AS 4858
- Premium long term performance
- Suitable for all under-tile applications

Coverage: 2m² per litre, 2 coats
Recoat/Cure time: 1-2 Hours / 7 Days
Packaging: 1L, 4L, 15L

Flex-300 Under-tile Waterproof Membrane

- Designed for cold and humid conditions and when substrate is not dry
- Class III, 2 part cementitious
- Re-coat in 30 minutes, tile over in 12 hours
- Easy mixing ratio 1:1 by weight
- Very high elongation and permanent flexibility

Coverage: Walls 0.9kg/m² and floors 1.3kg/m²
Recoat/Cure time: 30 mins / 7 Days
Packaging: Part 1 Liquid 10kg and Part 2 Powder 10kg

Premixed Under-tile Floor Screed

- Waterproof and efflorescence free
- Ready to use, easy to mix and place
- Interior and exterior application
- For use in conjuction with all Crommelin® undertile waterproofing membranes

***Does not replace the use of waterproof membranes**
Coverage: 20kg will cover 1m² at a thickness of 10mm
Recoat/Cure time: Initial set 3 to 4 hours, 7 days before applying membrane or tiling over
Packaging: 20kg bag

Shower Waterproofing Membrane Kit

- Includes everything you need to waterproof your wet area
- 4L kit suitable for a single shower recess
- 6L kit suitable for a double shower recess
- Detailed application instructions included

Coverage: 2m² per litre, 2 coats
Recoat/Cure time: 2-4 Hours / 7 Days
Packaging: 4L, 6L

Wet Area & Under Tile (continued...)

Shower Waterproofing Membrane

- Class III membrane for wet area and under tile waterproofing
- High elongation and permanent flexibility
- Excellent primer-less adhesion and fast drying
- Keyed finish, suitable for use with all cement based tile adhesives

Coverage: 2m² per litre, 2 coats
Recoat/Cure time: 2-4 Hours / 7 Days
Packaging: 1L, 4L, 15L

Liquid Reinforcing Fabric

- Fibre reinforced waterproofing membrane for wet area and non-exposed applications
- Replaces traditional reinforcing bandages
- Strengthens membrane against puncture and tears at corners and construction joints
- Fast and easy to apply

Coverage: 2m² per litre, 2 coats
Recoat/Cure time: 2-4 Hours / 7 Days
Packaging: 1L, 4L

Shower Sealer & Waterproofer

- Highly penetrative waterproofing solution to fix leaking showers
- Permanently waterproofs old and porous tile grout
- Invisible protection
- Interior and exterior application

Coverage: 500ml will treat two average showers (approx. 200-300LM of 5mm grout)
Recoat/Cure time: Single coat / upon application
Packaging: 500ml

Tips

- *Ensure substrate is completly dry before prior to application*
- *A trial patch is always recommended to ensure suitability and desired result is achieved*
- *Always ensure sufficient airflow is proivded for optimum curing conditions*

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Exposed

Exterior Grade Waterproofing

- UV resistant waterproofing membrane
- High elongation and flexibility
- Suitable for over coating with most acrylic paints and renders
- Potable water safe

Coverage: 1.5m² per litre, 2 coats
Recoat/Cure time: 2-4 Hours / 7 Days
Packaging: 1L, 4L, 15L

Pond Sealer - Colours

- Textured decorative waterproofing membrane
- Highly flexible and may be tiled over
- Fish and plant safe formulation
- Available in black, sandstone and blue

Coverage: 1.5m² per litre, 2 coats
Recoat/Cure time: 2-4 Hours / 7 Days
Packaging: 1L, 4L, 15L (Black only)

Pond Sealer - Clear

- Clear waterproofing treatment
- Non-flexible
- Fish and plant safe formulation
- Use in conjunction with Crommelin® Dampstop on in-ground ponds

Coverage: 6-10m² per litre, 3 coats
Recoat/Cure time: 4 Hours / 7 Days
Packaging: 1L

Tips

- *Always apply two coats of membrane at the correct coverage rate*
- *Apply second coat of membrane at 90° to the first to ensure that no areas have been missed*

Damp Substrates & Negative Side

Dampstop

- Two part water borne epoxy waterproof barrier
- Suitable for positive and negative side and damp surface waterproofing
- Over-coatable with Crommelin® waterproofing membranes and most acrylic paints
- Also suitable as a tough coating for high traffic floors

Coverage: 5-7 m² per litre, 2 coats
Recoat/Cure time: 4-6 Hours / 7 Days
Packaging: 1L

Trowel On Waterproofing

- Two part cementitious waterproofing membrane
- Remains permanently flexible
- Suitable for negative and damp substrate waterproofing
- May be over-coated with acrylic paints and renders

Coverage: 0.75-1m² per kg, 2 coats
Recoat/Cure time: 16-72 Hours / 14 Days
Packaging: 14kg kit

Below Ground & Non-Exposed

Blackseal

- Non-exposed waterproofing membrane
- Long term durability and permanent flexibility
- Suitable for retaining walls, timber posts etc.
- Fast drying

Coverage: 1.5m² per litre, 2 coats
Recoat/Cure time: 2-4 Hours / 7 Days
Packaging: 4L, 20L

Water Based Bitumen Paint

- Non-exposed waterproofing membrane
- Excellent substrate adhesion
- Suitable for planter boxes, pots and water tanks
- Potable water safe

Coverage: 1.5m² per litre, 2 coats
Recoat/Cure time: 2-4 Hours / 7 Days
Packaging: 1L, 4L, 15L

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Accessories

Applicator Brush

- Quality tapered synthetic filament for easy film build
- Optimum coating pick up and release
- Will not clog, even when used with highly viscous coatings
- Suitable for use with Crommelin® waterproofing membranes and clear sealers

Packaging: 100mm brush and 75mm brush

Applicator Roller

- Quality polyester fabric for easy film build
- Optimum coating pick up and release
- Will not clog, even when used with highly viscous coatings
- Suitable for use with Crommelin® waterproofing membranes and clear sealers

Packaging: 230mm roller

Applicator Wheel

- Attaches directly to Crommelin® Shower Sealer & Waterproofer bottles
- Clean and accurate sealer application
- Includes two wheel widths to suit wall and floor grout lines
- Fast and easy to use

Packaging: Includes 3mm and 5.5mm rollers

Reinforcing Fabric

- Non-woven, rot proof 100% polyester
- Superior elongation compared to fibre glass mat
- Increases membrane strength and puncture resistance
- Easy wet out and installation

Packaging: 100mm x 10m roll, 100mm x 50m roll and 200mm x 50m roll

Reinforcing Fabric with Bond-breaker

- Self adhesive polyester fabric tape
- Acts as a bond breaker over movement critical joints and corners
- Easy to shape and apply
- For use with all Crommelin® undertile waterproofing membranes to meet AS3740

Packaging: 100mm x 6m roll

Accessories (continued...)

Polyurethane Sealant & Bond Breaker

- Permanently flexible with ± 25% movement capability
- Excellent substrate adhesion
- High recovery rate
- For use as a bond breaker or general purpose construction sealant

Packaging: Grey 600ml

Silicone WP Plus

- Neutral cure, anti-fungal formulation
- Sanitary grade for interior and exterior use
- Excellent adhesion
- Permanently flexible with ± 25% movement capability

Packaging: White / Grey / Translucent 300g cartridges

High Performance Bonding Agent

- Primer for cementitious surfaces prior to waterproofing
- Promotes adhesion of waterproofing membranes to substrate
- Reduces substrate porosity
- Also suitable for use to improve performance of cement mortars and renders

Coverage: 6-10m² per litre
Recoat/Cure time: Apply top coat whilst tacky
Packaging: 1L

Moisture Meter

- Quickly and easily check substrate moisture before over-coating
- Multi-function concrete and timber modes
- Easy to read large LC display screen with auto 'off' function

Tips

- *The use of a bond breaker is recommended in all wall to floor, wall to wall and construction joints to prevent membrane damage caused by structural movement*
- *Reinforcing fabric also provides added strength to membranes, preventing puncture from sharp tile edges during installation*

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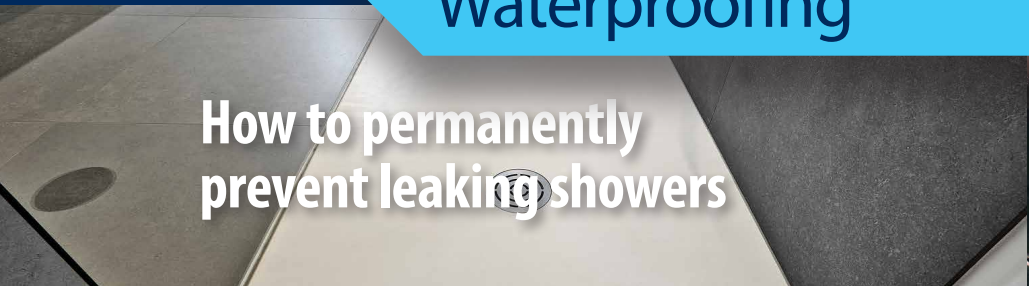

How to permanently prevent leaking showers

Crommelin® Shower Waterproofing Kit contains all the materials required to permanently waterproof a shower recess. Crommelin® Shower Waterproofing Kits include the premium Crommelin® Shower Waterproofing Membrane, engineered for use under tiles in all wet area applications.

Crommelin® Shower Waterproofing Kits contain waterproofing membrane, reinforcing fabric with bond breaker, an application brush and all the instructions required for a successful waterproofing job.

Suitable Substrates

- Concrete
- Brick
- Cement Sheeting
- Render
- Timber Panel

What Product To Choose?

- Crommelin® Shower Waterproofing Kit 4L
- Crommelin® Shower Waterproofing Kit 6L

Surface Preparation

- All surfaces must be completely dry, clean and sound
- Surfaces may be primed with a 50:50 solution of Crommelin® Shower Waterproofing Membrane and clean water
- For maximum membrane adhesion, prime surfaces with Crommelin® High Performance Bonding Agent

Application Tools

- Crommelin® Shower Waterproofing Kits contain all the necessary tools required

Coverage

- 4L kit will waterproof a single shower recess
- 6L kit will waterproof a double shower recess

Recoat/ Cure Time (at 25°c)

- 2 coats of Crommelin® Shower Waterproofing Membrane are required
- Apply second coat at 90 degrees to the first
- Allow 2- 4 hours drying time between coats
- May be tiled over after 24 hours

Tips

- *Ensure adequate air flow during the membrane cure phase. The use of fans to circulate air is recommended*
- *Pre-cut reinforcing fabric prior to installing in corners and around drainage outlets*
- *Do not allow membrane application to become too thick in corners, leading to reduced flexibility*
- *Always ensure the correct use of bond breaking tape*

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How to fix damaged and leaky gutters

Project Guides

Crommelin® Exterior Grade Waterproofing is a high performance waterproofing membrane engineered for use in areas subject to permanent water immersion.

Available in grey, Crommelin® Exterior Grade Waterproofing has excellent adhesive strength and is extremely strong especially when applied in conjunction with reinforcing fabric.

Suitable Substrates

- Metal
- Concrete
- Plywood
- Cement sheet

What Product To Choose?

- Crommelin® Exterior Grade Waterproofing

Surface Preparation

- All surfaces must be completely dry, clean and sound
- If surface is rusty, treat area with suitable treatment and ensure that all loose rust material has been removed

Application Tools

- Crommelin® Applicator Brush or Crommelin® Applicator Roller

Coverage

- Coverage rates will depend upon surface porosity
- 1L of product will cover approximately 0.75m^2 finished

Recoat/ Cure Time (at 25°c)

- A minimum of 2 coats of are required
- Apply second coat at 90 degrees to the first
- A third coat may be required to reach required membrane thickness
- Allow 2 – 4 hours between coats
- Allow 48 hours before exposing membrane to moisture

Tips

- *Any areas of gutter damage, pin holing or rust should be reinforced using Crommelin® Reinforcing Bandage, installed as part of the first coat*
- *Ensure that membrane remains free of gutter debris and water flow across the areas is not impeded*
- *May be overcoated with most acrylic paints and renders*

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How to fix leaking showers

Crommelin® Shower Sealer & Waterproofer is a premium performance waterproofing solution, engineered to permanently seal leaking grout, effectively forming a physical mineralised barrier inside your wall.

Easily applied and fast acting, Crommelin® Shower Sealer & Waterproofer has the ability to bridge minor grout cracking and stays active in the substrate.

Used in conjunction with Crommelin® Silicone WP Plus silicone sealant, Crommelin® Shower Sealer & Waterproofer minimises shower down time and repair costs.

Suitable Substrates

- Grout
- Concrete
- Mortar
- Most other cementitious materials

What Product To Choose?

- Crommelin® Shower Sealer & Waterproofer
- Crommelin® Silicone WP Plus

Surface Preparation

- All surfaces must be completely dry, clean and sound
- The longer you can leave the shower to dry out, the greater the penetration of the sealer
- Any loose grout must be removed and repaired as per manufacturer's instructions
- Ensure that any areas of mould growth are effectively treated with appropriate cleaning chemicals

Application Tools

- Crommelin® Applicator Wheel
- Small brush

Coverage

- 500ML is enough material to treat 2 average sized shower cubicles

Recoat/ Cure Time (at 25°c)

- Crommelin® Shower Sealer & Waterproofer is a 1 coat system
- Ensure that application directions are closely followed, particularly the amount of time between application and introduction of water
- Sealer must be watered in between 30 minutes and 4 hours after application

Tips

- *Do not let Crommelin® Shower Sealer & Waterproofer dry on the surface of tiles. Remove excess material with a damp cloth*
- *Ensure that all wall to floor and wall to wall joints are sealed with flexible sanitary grade silicone sealant and not rigid grout*
- *Double thickness mask each side of silicone joint with masking tape, to ensure that a thick edge to silicone is maintained once smoothed*

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How to waterproof fish ponds

Crommelin® Pond Sealer is engineered for use as a waterproofing membrane in fish ponds and water features, providing a tough, flexible and waterproof membrane with a decorative textured finish.

Available in Black, Blue and Sandstone, Crommelin® Pond Sealer will transform any plain pond into a decorative garden feature.

Crommelin® Pond Sealer is safe and will not harm aquatic animals or plants.

Suitable Substrates

- Concrete
- Brick and Render
- Cement sheet

What Product To Choose?

- Crommelin® Pond Sealer Colours - Black, Blue and Sandstone
- Crommelin® Pond Sealer Clear - for above ground water features only

Surface Preparation

- All surfaces must be completely dry, clean and sound
- If pond is in-ground, a negative side membrane such as Crommelin® Dampstop should be used before the application of Crommelin® Pond Sealer Colours
- Reinforcing fabric and bond breakers should be used in all wall to floor, wall to wall and construction joints

Application Tools

- Crommelin® Applicator Brush or Crommelin® Applicator Roller

Coverage

- Coverage rates will depend upon surface porosity
- Pond Sealer colours – 1L will cover approximately 0.75m^2 finished
- Pond Sealer clear – 1L will cover approximately 3-5m^2 finished

Recoat/ Cure Time (at 25°c)

- A minimum of 2 coats of Pond Sealer Colours are required
- Apply second coat at 90 degrees to the first
- A third coat may be required to reach required membrane thickness
- Allow 2 – 4 hours between coats
- A minimum of 3 coats of Pond Sealer Clear is required
- Allow 4 hours between coats
- For all Pond Sealer membranes, allow 7 days for full cure before filling your water feature

Tips

- *Ensure membrane is protected from moisture or high humidity during the cure phase*
- *Pond Sealer Clear may turn white if exposed to moisture prior to full cure*

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Project Guides

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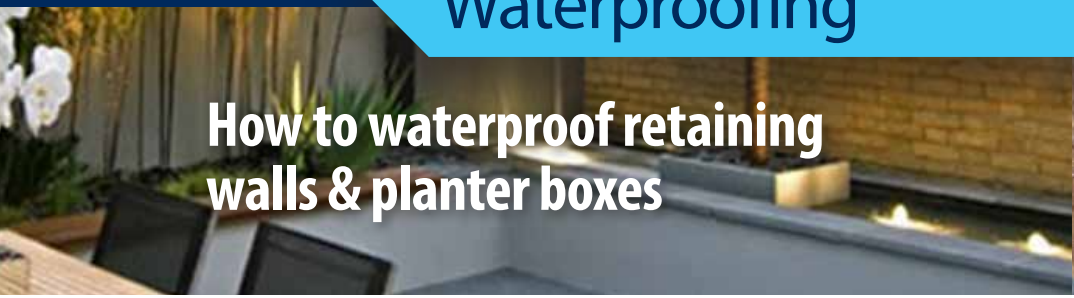

How to waterproof retaining walls & planter boxes

Crommelin® Water Based Bitumen Paint is a premium, tough and flexible waterproofing membrane engineered for use in non-exposed and below ground applications.

Easy and economical to use, Crommelin® Water Based Bitumen Paint is highly effective and safe for the environment.

Crommelin® Water Based Bitumen Paint is recommended for use on non-critical retaining walls, planter boxes and pots.

Suitable Substrates

- Concrete
- Brick and masonry
- Render
- Timber and timber panel

What Product To Choose?

- Crommelin® Water Based Bitumen Paint

Surface Preparation

- All surfaces must be completely dry, clean and sound
- If surface remains damp, use Crommelin® Dampstop as a primer
- Surface defects must be removed or filled with suitable repair mortar
- Suitable bond breaker and reinforcing fabric should be installed in all wall to floor, wall to wall and construction joints

Application Tools

- Crommelin® Applicator Brush or Crommelin® Applicator Roller

Coverage

- Coverage rates will depend upon surface porosity
- 1L will cover approximately 0.75m^2 finished

Recoat/ Cure Time (at 25°c)

- 2 coats of Crommelin® Water Based Bitumen Paint are required
- Apply second coat at 90 degrees to the first
- Allow 30 minutes drying time between coats
- Allow 7 days for full cure and before back filling

Tips

- *Ensure that membrane is protected from puncture during back filling by installing coreflute or other protection board*
- *Crommelin® Water Based Bitumen Paint is not suitable for use as an under tile membrane or in UV exposed conditions*
- *Mix sand with Crommelin® Water Based Bitumen Paint to create a waterproof mortar*

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How to waterproof brick walls & other masonry surfaces

Crommelin® Natural Finish Sealer is a highly penetrative and water repellent sealer engineered for use as a waterproofing coating for masonry walls exposed to rain and moisture.

Suitable for both interior and exterior use, Crommelin® Natural Finish Sealer may be easily applied to most porous surfaces.

Crommelin® Natural Finish Sealer's water repellent action delivers long term protection, without changing the appearance of the treated surface.

Suitable Substrates

- Concrete
- Brick and masonry
- Render
- Natural Stone

What Product To Choose?

- Crommelin® Natural Finish Sealer

Surface Preparation

- All surfaces must be completely dry, clean and sound
- Surface defects must be removed or filled with suitable repair mortar
- Efflorescence may be removed with Crommelin® Efflorescence Remover
- Ensure that any areas of mould growth are effectively treated with appropriate cleaning chemicals

Application Tools

- Crommelin® Applicator Brush or Crommelin® Applicator Roller
- Garden spray

Coverage

- Coverage rates will depend upon surface porosity
- 1L will cover approximately 3-5m^2 finished

Recoat/ Cure Time (at 25°c)

- 2 coats of Crommelin® Natural Finish Sealer are required for maximum protection
- Allow 30 minutes drying time between coats
- Protect surface for 24 hours from exposure to rain and moisture
- Allow 7 days for full cure

Tips

- *Conduct a moisture test before application to ensure maximum penetration of sealer into substrate*
- *Do not apply a penetrating sealer over a satin or gloss topical sealer. The penetrating sealer will remain on the surface and become sticky*

1800 655 711 – 7 day technical advice line

Crommelin®

Waterproofing

Troubleshooting & maintenance

Blisters and bubbles in membrane

- This is generally caused when moisture is trapped beneath a positive side waterproofing membrane
- Moisture may be from uncured concrete, rain and water leakage, or from under applied membranes with too thin a film build
- To rectify, blisters may be cut out (taking care not to damage underlying surface), surface allowed to fully dry and a repair coat applied

Membrane cracking

- Cracking of a waterproofing membrane may be caused by too thick an application in a single coat. Areas of membrane that are too thick may not perform as required due to compromised movement capability
- Cracking may also be caused by membrane application in hot or windy conditions, leading to surface drying taking place too quickly
- To rectify areas of cracked membrane, it is recommended that the effected area is removed and repaired as per product directions

Delamination

- Delamination from substrate is caused by application of membrane to a poorly prepared surface. In these instances, membrane should be removed, surface made good and membrane re-applied
- Intra-coat delamination is caused by contamination from moisture, dust of similar between membrane coats. This is avoided by protecting first coats from physical contaminants, and ensuring that there is no surface moisture, condensation or dew, before second coat is applied.
- If intra-coat delamination has occurred, delaminated membrane should be removed and a new coat reapplied.

Insufficient film thickness

- If membrane film thickness is inadequate, the membrane's waterproofing ability will be compromised
- Insufficient film thickness may lead to membrane bubbles, delamination and leakage
- Always apply the recommended number of membrane coats, at the correct coverage rate
- 2 correct thickness coats are better than one thick coat
- If in doubt, additional coats of membrane may usually be applied

Slow curing

- Slow cure of waterproofing membrane is caused by insufficient air movement or high humidity environments
- Air flow may be improved with the use of a fan
- In humid conditions, longer cure times are required, or chose a membrane suitable for these conditions.

Re-emulsification

- If waterproofing membranes are exposed to moisture before full cure has been achieved, there is a possibility that re-emulsification may occur
- In some circumstances, re-emulsification will correct itself once moisture has been removed and the membrane is allowed to fully cure
- In other circumstances, the area must be allowed to dry, any damaged membrane removed and additional membrane applied

Tearing and puncture

- Membrane tearing may occur at corners, construction joints and areas of movement when either membrane has been applied too thinly, movement is greater that membrane's ability to move, or suitable bond breaker has not be installed
- If tearing is a result of membrane applied too thinly, damaged area should be removed and repaired, including reinforcement if required
- If tearing is a result of incorrect or no bond breaker installed, damaged membrane must be removed, correct bond breaker installed and membrane reapplied
- If tearing is a result of excessive structural movement, damaged membrane must be removed, joint design and membrane reinforcement redesigned, and membrane reapplied
- Membranes may be punctured if applied over rough surfaces, are not protected from back filling or are damaged by after trades before final toppings are applied
- Areas of membrane susceptible to puncture may be reinforced with bandage, applied as part of the first coat
- Waterproofing membranes that will be back filled against, must be protected by corflute board of similar before back filling takes place

Crommelin®
Waterproofing & Sealing

Waterproofing Membrane Maintenance

- After membrane application, ensure that no damage has been caused by after trades before the installation of any top coating, screed or tiled finish
- Regularly remove debris from drainage to ensure that the passage of water remains free flowing
- Inspect exposed waterproofing membranes regularly and ensure that all contaminants such as animal waste and leaves etc. are removed
- Any areas of damaged membrane should be repaired as soon as indentified
- If repair is required, ensure that compatible products and systems are used. If in doubt, contact the Crommelin® 7 day technical advice line
- Do not expose waterproofing membranes to highly concentrated chemicals, abrasion or other potentially damaging conditions

Still not sure?
Simply call our 7 day a week helpline 1800 655 711.

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