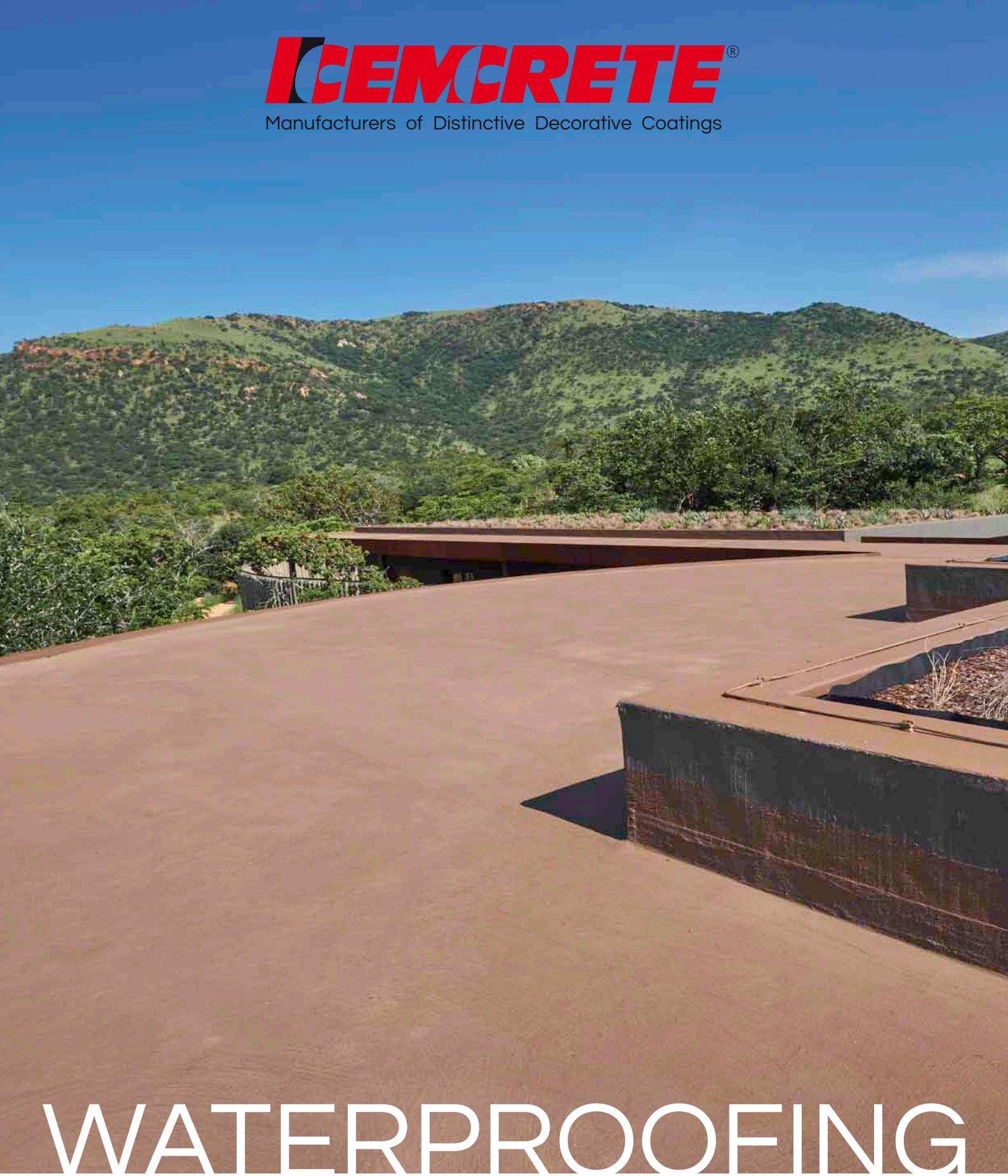
ICEMCRETE®

Manufacturers of Distinctive Decorative Coatings



WATERPROOFING PRODUCTS

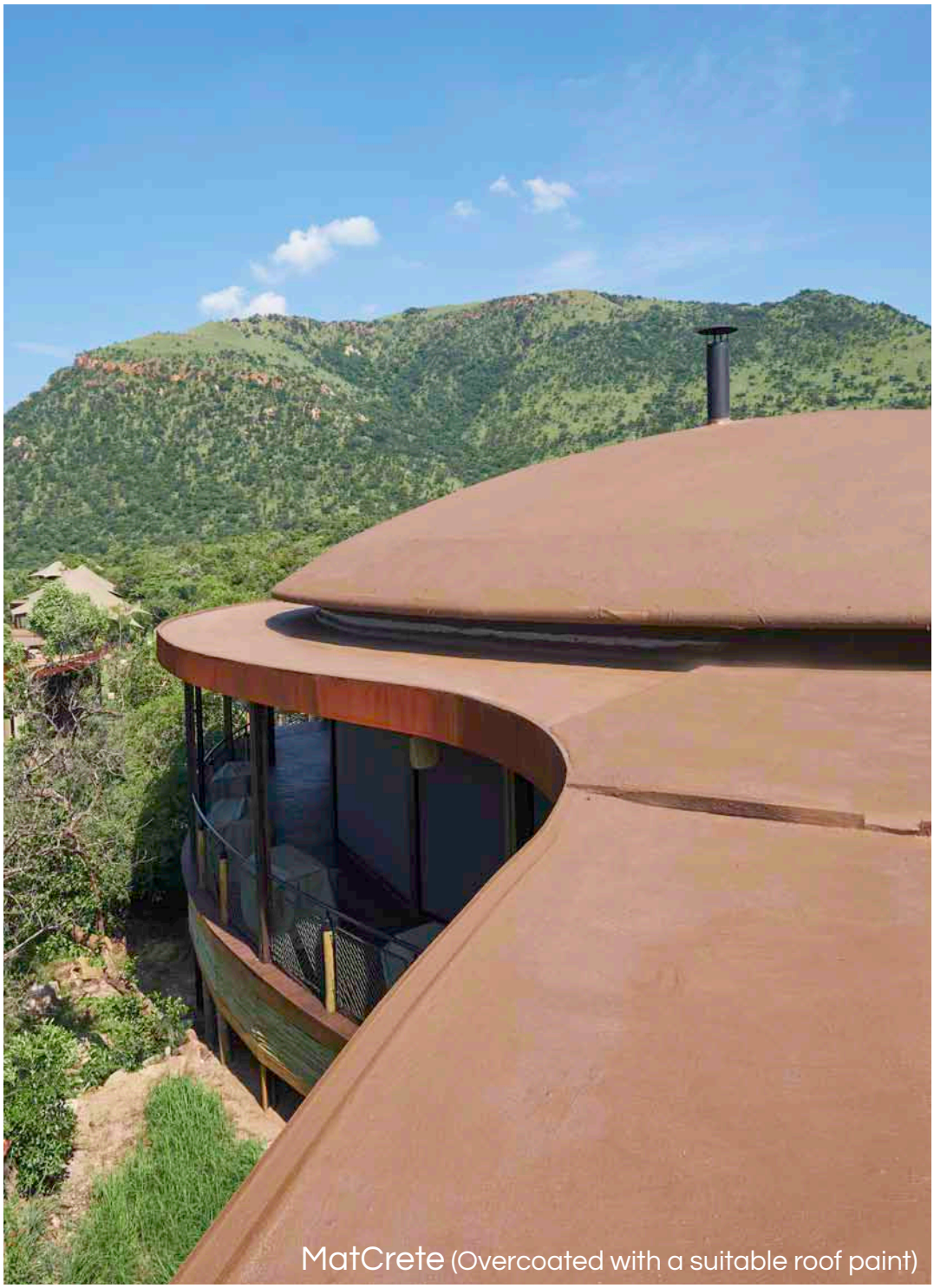
Waterproofing Additives, Sealers, Linings and Systems

MatCrete Brown (CemWash Sandstone above water)

The colours depicted are a guide only and Cemcrete recommends choosing colours from an actual on-site sample.
Depth of water and exposure to sunlight might also affect the final colour.

MATCRETE

REINFORCED WATERPROOFING CEMENT LINING



MatCrete (Overcoated with a suitable roof paint)

Waterproof cement lining that can be applied directly onto hard compacted soil for the cost-effective creation of any water-containing structures such as fish ponds, water channels, dams, drinking troughs, relining of pipes, repair of old cracked reservoirs, flat roof waterproofing, parapet waterproofing etc.

SUITABLE SURFACES
Applied directly onto hard compacted soil, cement or concrete-based water channels, dams, drinking troughs, reservoirs, flat roofs, parapets etc.

FINISH
Rough textured. Can be smooth trowelled.

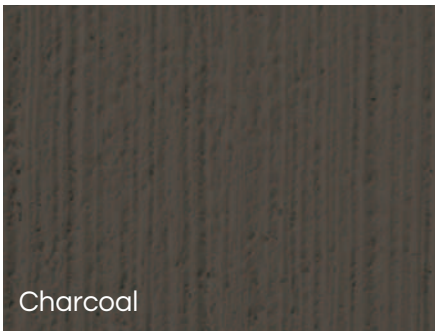
THICKNESS
2mm including the CemForce. Max thickness of 8mm – add a layer of CemForce for every extra 2mm.

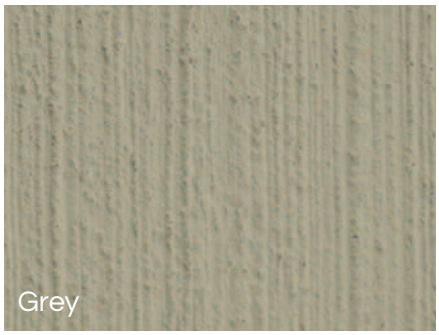
APPLICATION
Brush-on.

CURING
Allow finished work to air cure for 3 days before filling with water.

PACKAGING
40kg bags.

COVERAGE
Approximately 6m² for 3 coats per 40kg bag

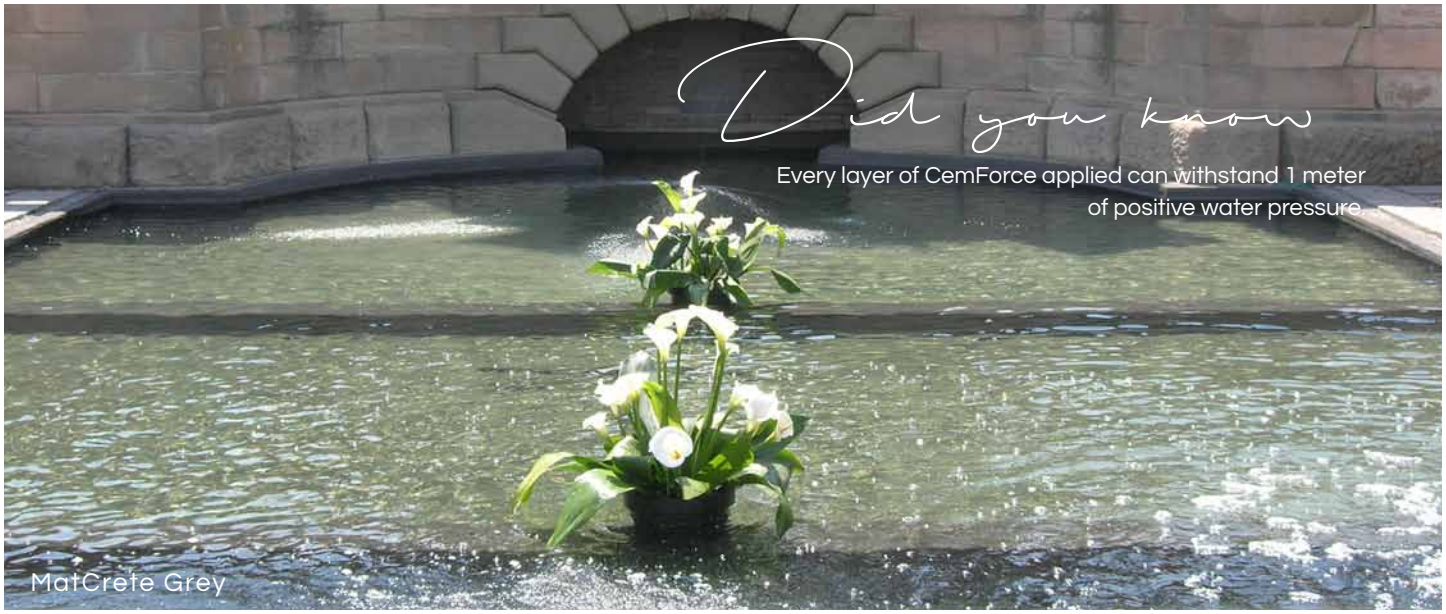

Charcoal


Grey

Brown

BENEFITS

- Thin cement linings can be formed in-situ
- Can be reinforced with as many layers of CemForce as necessary for strength required
- Ready to use with the addition of FlexBond solution only
- Not only waterproof, but vapour proof as well
- Fish and plant friendly
- Cost-effective creation of water-containing structures
- Can be applied directly onto hard compacted soil



MatCrete Grey

THATCHCRETE

CEMENT LINING FOR THATCH ROOFS

For creating a thin, reinforced, waterproof cement lining that is a low conductor of electricity and can be applied directly onto the exterior of an old or new combed grass-thatched roof. This lining is tough enough to resist mammals and birds from causing damage to the roof or entering the building.

SUITABLE SURFACES
Exterior of an old or new combed grass-thatched roof.

FINISH
Textured finish.

THICKNESS
Approximately 4 - 5mm depending on thatch density & profile.

APPLICATION
Brush-on.

CURING
Allow finished ThatchCrete work to air cure for 5 days.

PACKAGING
40kg bags.

COVERAGE
Approximately 4m^2 for 3 coats per 40kg bag depending on number of layers of CemForce used and surface profile.

NOTE
Can be coated with TPC Roof Paint, or CemWash for various colour and finish options.

ThatchCrete system application over thatching

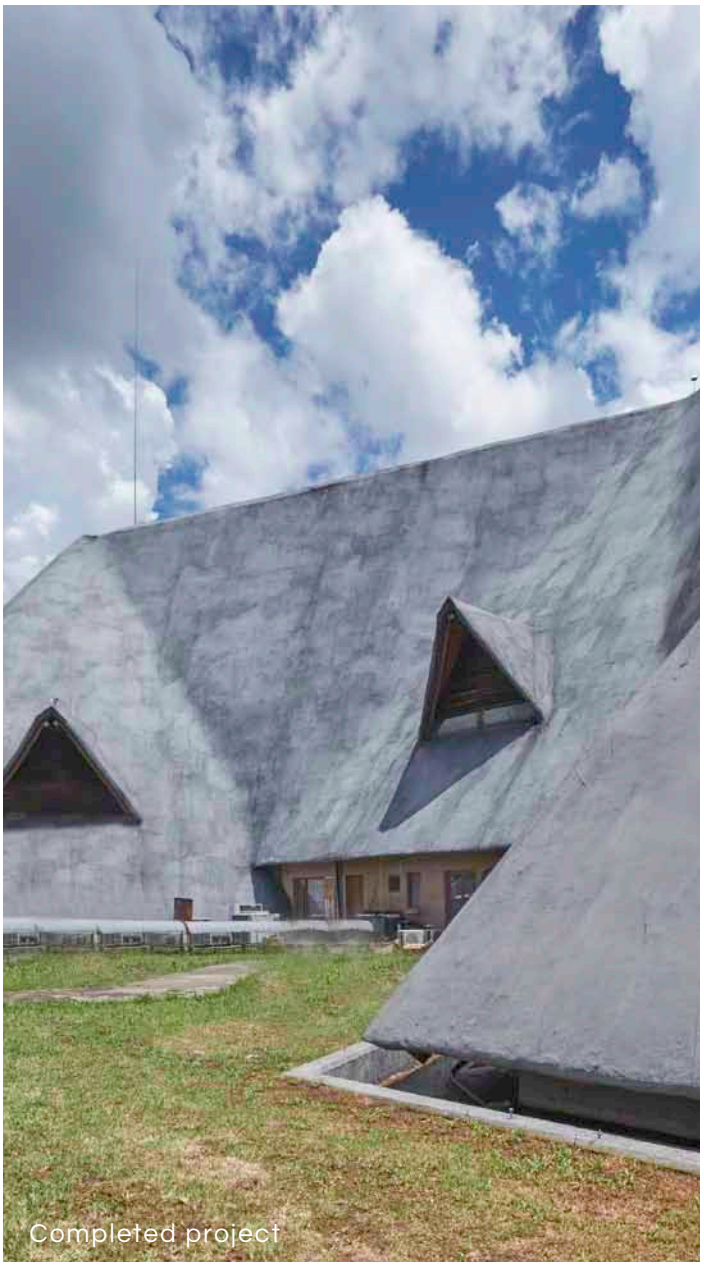
BENEFITS

- Applied directly onto the exterior of new or old combed grass-thatched roofs

- Low conductor of electricity

- Waterproof

- Resistant to dismantling by mammals (such as baboons, etc) & birds



Completed project

PERMASTOP

CRYSTALLINE WATERPROOFING TREATMENT

Permastop (under water)

A cement-based mixture containing chemicals which combine with the water in cement & migrate into the concrete or cement plaster thereby effectively waterproofing the structure against hydrostatic pressure. For slurry coatings & plugging holes. For solving most types of waterproofing problems in below-ground & water-containing structures that contain OPC.

SUITABLE SURFACES
Must be in contact with the cement / concrete to be effective.

FINISH
Brushed finish unless plaster is applied over it.

APPLICATION
Brush-on.

CURING
In hot, dry conditions, cure completed work by dampening with clean water three times during the day following the day of application. Protect against freezing for 24 hours. Protect from direct sun and wind by covering with plastic or wet hessian for 24 hours.

PACKAGING
5 & 25kg containers.

COVERAGE
Brush application: Approximately 1,3m²/ kg / coat depending upon suction and texture of surface.

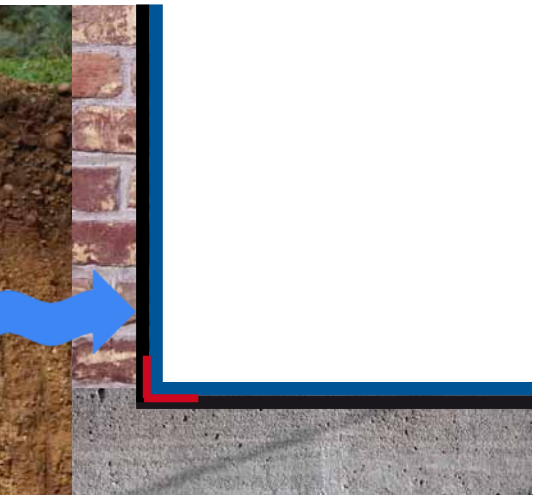
Joint filling: Depends on size of joint.

With polypropylene membrane:
Approximately 3kg/ m².

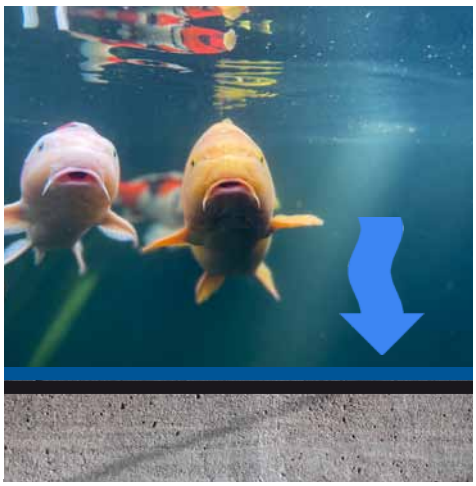
APPEARANCE / COLOUR(S)
Grey - can supply white upon request.

WATCH
THE VIDEO

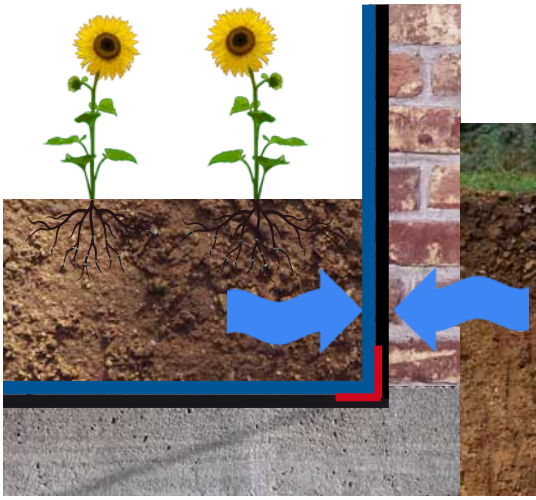
Waterproofing cellars & rising damp



Waterproofing sewers, fish ponds & reservoirs



Waterproofing flowerboxes



Water-repellent cement in plaster
Permastop
Polypropylene Membrane

BENEFITS

- Resists extreme hydrostatic pressure from both the positive & negative side of the substrate
- Resistant to aggressive chemicals i.e. oil, salt water, alkalis, certain chemicals, weak acids & aggressive sulphate soils
- Self-mending when punctured or torn & is not subject to deterioration and is thus permanent
- Does not require protection when backfilling
- Can be applied to moist surfaces
- Can seal static hairline cracks
- Increases the strength of concrete by up to 30% dependent on quality of original concrete
- Waterproof but not vapour proof
- No VOC's
- Can seal gushing leaks in conjunction with Cemcrete's Permastop Accelerator

SILICONSEAL SOLVENT-BASED SEALER

PENETRATIVE WATERPROOFING SYSTEM

SiliconSeal Solvent-Based Sealer greatly reduces the water absorption of concrete, clay bricks, natural stone, fibre cement & plaster. SiliconSeal Solvent-Based Sealer can also be used for the prevention of rising damp in brick walls by pumping the fluid into previously drilled holes along the course immediately above the faulty damp-proof membrane.

SUITABLE SURFACES
Concrete, cement, cement plaster, mortar, natural sandstone, clay & cement bricks & coloured cement finishes.

APPLICATION
Brush, roller or spray until surface is saturated (minimum of 2 coats wet-on-wet).

THICKNESS
Penetrative (not film forming). Penetrates the pore structure up to a depth of 6mm.

CURING
SiliconSeal Solvent-Based must be allowed to dry for a minimum of 2 days, and a maximum or 5 days, depending on the weather, to allow the solvent to fully evaporate. Application of another sealer, or decorative coating, before or after this window, will result in adhesion problems. Full cure takes place after 7 - 14 days.

PACKAGING
Available in 1, 5 & 25 litre containers.

COVERAGE

Face bricks	$6m^2$/litre
Porous bricks	$3m^2$/litre
Concrete	$4m^2$/litre

These figures are approximate and will vary according to the texture & porosity of the particular surface.

APPEARANCE / COLOUR(S)
A clear treatment which does not darken or change the colour of the surface to which it is applied.

Drilling holes to repair rising damp

Pouring SiliconSeal Solvent-Based Sealer into holes to repair rising damp

SILICONSEAL WATER-BASED SEALER

PENETRATIVE WATERPROOFING SYSTEM

SiliconSeal Water-Based Sealer combines the properties of both organic polymers and inorganic silicates like quartz, curing to form durable cross-linked resins. It greatly reduces water absorption in concrete, clay bricks, natural stones, fibre cement, and plaster, ensuring superior hydrophobic properties with a significant beading effect due to improved interfacial tension. Masonry treated in this manner can still 'breathe,' allowing moisture to dry out through the surface.

SUITABLE SURFACES
Concrete, cement, cement plaster, mortar, natural sandstone, clay & cement bricks & coloured cement finishes.

APPLICATION
Brush, roller or spray until surface is saturated (minimum of 2 coats wet-on-wet).

THICKNESS
Penetrative (not film forming). Penetrates the pore structure up to a depth of 3mm.

CURING
SiliconSeal Water-Based must be allowed to dry for a minimum of 2 days, and a maximum or 5 days, depending on the weather, to allow the water to fully evaporate. Application of another sealer, or decorative coating, before or after this window, will result in adhesion problems. Full cure takes place after 7 - 14 days.

PACKAGING
Available in 1, 5 & 20 litre containers.

COVERAGE
Face bricks $6m^2$/litre.
Porous bricks $3m^2$/litre.
Concrete $4m^2$/litre.
These figures are approximate and will vary according to the texture & porosity of the particular surface.

APPEARANCE / COLOUR(S)
A milky white liquid treatment which dries clear & does not darken or change the colour of the surface to which it is applied.

Water beading on CemWash treated with SiliconSeal Water-Based Sealer

WATER-REPELLENT CEMENT

READY-TO-USE WATER-REPELLENT CEMENT

Use Water-Repellent Cement in place of Ordinary Portland Cement to overcome capillary absorption of moisture into cement mortar, cement plaster & concrete.

SUITABLE SURFACES
Suitable for reducing permeability in concrete tanks, reservoirs, sewerage works, cellars, basement walls & floors, garage pits, walls & precast stone.

APPLICATION
Ready-to-use waterproof cement.

FINISH
Will not change the finish of the cement mix.

CURING
In hot, dry conditions, cure completed work by damping down with water or protecting with wet sacks or plastic sheeting.

PACKAGING
50kg bag.
Made to order. Minimum order of 5 x 50kg bags.

COVERAGE
Dependant on the mix.

APPEARANCE / COLOUR(S)
Grey powder.

BENEFITS
1. Reduced moisture movement, crazing, efflorescence & moisture penetration
2. Reduces rising damp in brickwork when used in mortar
3. Prevents loss of water from water containing structures

CEMENT WATERPROOFING COMPOUND

WATER-REPELLENT CEMENT ADDITIVE

A water-repellent powder for adding to cement to overcome capillary absorption of moisture into cement mortar, cement plaster & concrete.

SUITABLE SURFACES
Suitable for reducing permeability in concrete tanks, reservoirs, sewerage works, cellars, basement walls & floors, garage pits, walls & precast stone. Interior & exterior wall surfaces, including polystyrene & certain foams or such.

APPLICATION
Mixed with Portland cement in powder form.

FINISH
Will not change the finish of the cement mix.

CURING
In hot dry conditions, cure completed work by damping down with water or protecting with wet sacks or plastic sheeting.

PACKAGING
1 & 25kg containers.

COVERAGE
2% of the weight of the cement to be used in the mix which is equal to 1kg per 50kg cement.

APPEARANCE / COLOUR(S)
Grey powder.

BENEFITS

- Prevents loss of water from water-containing structures

- Reduces moisture movement, crazing, efflorescence & moisture penetration

- Reduces rising damp in brickwork when used in the mortar

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CEMCRETE®

Manufacturers of Distinctive Decorative Coatings

Creating distinctive cement finishes as *unique* as you are.