

PCT WATER REPELLENT TECHNOLOGY^{CC}



"like water off a duck's back"

PRODUCT DATA SHEET D-031

REVISION 1.1

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PCT[®] AGUAFLEX

HIGHBUILD FLEXIBLE TOPICAL HYDROPHOBIC WATERPROOFING

1. PRODUCT DESCRIPTION

PCT AGUAFLEX is a Hydrophobic High-build crack bridging smooth Waterproofing for interior and exterior use. Excellent filling properties are achieved by the very high solid content. Surface cracks up to 5 millimetre may be bridged.

2. PRODUCT FEATURES

PCT FLEXIMAGIC AGUAFLEX is a Hydrophobic High-build Flexible Water Proofing paste based on imported high solid close film formation acrylic resins with excellent UV stability and contains PCT Water Repellent Technology.

The product is of topical nature and will not flake, peel or blister after full cure has been achieved. Ideally suited for environments where large volumes of water ingress must be contained.

Water or moisture is unable to penetrate the film.

The addition of a high quality rust inhibitor will prevent corrosion when applied to steel.

3. PRODUCT BENEFITS

Economical.

Extremely durable.

Ready to use, do not reduce by adding water.

Quick drying.

High solid content.

Flexible, superb elongation.

Surface tolerant.

Water based, contains no toxic solvents.

UV stable.

Excellent flow properties.

Impermeable to water or moisture.

Excellent mechanical properties.

Contains a rust inhibitor, no primer required when applied to steel.

Acid resistant.

Alkali resistant.

4. TYPICAL SUBSTRATES

Parapets

Concrete surfaces

Plaster surfaces

Roof flashings

Galvanised roofs

Roof tiles
Tile ridging
Dams
Koi Ponds
Balconies
Reservoirs
Gutters and downpipes
Dams
Substitute for "Torch-on"
Many more.

5. PRODUCT INFORMATION

COLOUR	Available in 7 colours
SOLID CONTENT	86%
SPECIFIC GRAVITY	1.38 – 1.42
SOLVENT	Water based
SPREADING RATE	0.5 m ² per litre (depending on the porosity and surface texture of the substrate)
WET FILM THICKNESS	2-3 millimetre
ELONGATION	300 % Basically in accordance with ASTM D-412 TEST METHOD
WATER INGRESS	WACKER ACADEMY WATER INGRESS TEST METHOD Zero head loss after 72 hours.
TEMPERATURE	Maximum 130°C exposure Minimum -30° C exposure
DRYING TIME	Touch dry approximately 2 hours at 25°C and 45-50% relative humidity.
LIFE EXPECTANCY	7-10 Years (subject to approved specification)
SHELF LIFE	6 Months
POT LIFE	5 Hours after removal of lid
MIXING	During application, stir the contents of the container often to prevent skinning on the surface which will lead to lumping during application
SURFACE MOISTURE	12% Maximum

SURFACE

DUE TO THE HIGH SOLID CONTENT AND FLEXIBLE PROPERTIES OF THE PRODUCT IT IS IMPORTANT TO ENSURE THAT THE SUBSTRATE IS SOLID AND FREE OF ANY LOOSE PARTICLES OR DEBRIS.

WHEN APPLIED TO CEMENTITIOUS SURFACES, THIN THE FIRST COAT 50% WITH POTABLE WATER AND LEAVE TO DRY.

APPLY THE SECOND COAT TO ACHIEVE A TOTAL FILM THICKNESS OF 2 MILLIMETRE MINIMUM.

6. APPLICATION DETAILS

BRUSH APPLICATION

Do not work from the container. Apply a liberal quantity to the surface and brush out with smooth movement to achieve a consistent film of 2-3 millimetre.

TROWEL APPLICATION

Apply a first coat by means of a steel serrated trowel (tile adhesive type) and leave to cure (24 hours). Apply a second coat to fill in the cavities and leave to cure.

After application and full cure of the product, thoroughly inspect the surface for pinholes. If pinholes are evident, patch prime these areas with the product.

FOR EXTERIOR EXPOSURE APPLY 2 COATS WHITE ACRYLIC PAINT AS SACRIFICIAL COATING TO ENHANCE DURABILITY.

THE ONUS IS ON THE ASSET OWNER TO ENSURE THAT THIS COAT IS MAINTAINED

7. SURFACE PREPARATION

GALVANISED SURFACES

- NEW

Treat the entire surface with a 30% Hydrochloric Acid solution to remove any wax or white rust and to provide a key. After treatment wash down with clean potable water.

Alternatively abrade the entire surface with 20 grit sandpaper to remove any wax and to provide a key.

- AGED

Abrade the entire area with 80 grit sandpaper and ensure that all rust or corrosion is removed.
Remove all dust, dirt or any foreign debris with clean potable water.

CHROMADEK

Abrade all rusted areas to bare steel.
Abrade the surrounding area with 20 grit sandpaper to provide a key.

STEEL

Abrade the entire area to remove corrosion and carburisation with 20 grit sandpaper and to provide a key.

PLASTER

- NEW

Brush the entire area to remove any dust, dirt and loose sand.
Fill-in imperfections with a suitable filler.

- AGED PAINTED

Remove all loose and flaking paint.
Feather the edges with 80 grit sandpaper.
Slightly abrade the surrounding area with 80 grit sandpaper to remove all oxidisation, dust and foreign debris.
Fill-in any imperfections with a suitable filler.

CONCRETE

- NEW

Abrade the entire area with 80 grit sandpaper to remove any laitance and foreign debris.
Thoroughly remove all dust and ensure that the surface is clean and dry.
Fill-in any imperfections with a suitable filler.

<ul style="list-style-type: none"> • AGED 	Remove all algae and bacterial growth with household detergent. Fill-in any imperfections with a suitable filler. Thoroughly wash down the entire area and leave to dry.
WATER FEATURES	Remove all algae and vegetable growth. Wash down all areas with a 30% solution of household detergent and leave to dry. (Jik or equivalent))
AGRICULTURAL DAMS (concrete)	Remove all algae and vegetable growth. Wash down all areas with a 30% solution of household detergent and leave to dry. (Jik or equivalent)
AGRICULTURAL DAMS (galvanised)	Remove all algae and vegetable growth. Remove all rust with 80 grit sandpaper. Abrade the remainder of the surface with 80 grit sandpaper to remove any foreign debris and oxidisation and to provide a key. Patch Prime the areas where rust was removed with a suitable primer. Leave to dry.
TORCH-ON REPAIR	Remove all oxidisation, dust and foreign debris. Ensure that all surface cracks and voids are free from dust. Wash down the entire area and leave to dry. If the membrane is breached, cut-off excessive wool.

8. CLEANING OF EQUIPMENT Use potable water

9. PACKAGING 30 kilogram plastic bucket. (20 litre)
7.5 kilogram 5 litre plastic bucket (5 litre)
Keep containers closed at all times.

The information contained in this document is meant as a guide for the specifier or user. It is gained from laboratory tests conducted in controlled environment and experience. No guarantee of performance is implied since application procedure, conditions of use, substrate condition and substrate cleanliness is beyond our control.

Should Guarantee of Performance be required, PCT Water Repellent Technology cc will present a written Project Specification subject to terms and conditions valid for a period up to 10 years.

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