

Flexi-Proof GP2

DESCRIPTION

ACS Flexi-Proof GP2 is a fast curing, two-pack; polymer modified tough cementitious waterproofing membrane. It is reinforced with specially graded fine rubber powder.

When Blended *ACS Flexi-Proof GP2* forms a flexible matrix of rubber polymer and hydrated materials, providing a tough breathable membrane that is impermeable to liquid water.

ACS Flexi-Proof GP2 is easily applied as slurry on to horizontal and vertical surfaces of concrete, brick, block, render and cement sheet. Priming is not normally required.

FEATURES AND BENEFITS

- Non – toxic and Non Hazardous
- Low odour
- Water clean up
- Fast curing
- Resists ponding water
- Self priming and non staining
- Excellent adhesion and hardwearing
- Crack bridging ability
- High Build
- Multi purpose
- Strong resists root penetration
- Designed to comply with AS3740
- Systems for Total Project Specification

RECOMMENDED USES

ACS Flexi-Proof GP2 is ideally suited as a general purpose waterproofing membrane for;

- bathroom wet areas
- balconies
- sill or window flashings
- podium decks
- planters and landscaping
- Basement tanking
- Variety of construction surfaces

COVERAGE RATES

Typical total usage rate for *ACS Flexi-Proof GP2* is 1.25 – 2.0kg/m² depending on the substrate. When mixed, a 40kg set of *ACS Flexi-Proof GP2* yields approximately 38 litres of liquid membrane.

PACKAGING

ACS Flexi-Proof GP2 is supplied in 40kg kits comprising:

- 2 x 10kg bags Part A powder
- 1 x 20kg pail Part B liquid

PERFORMANCE PROPERTIES

Colour	Part A Dark Grey Powder
Mix Ratio (By weight and volume)	1 : 1
Solids Content	90%
Application	5°C to 30°C
Through Cure	2 hours (1mm @25°C)
Crack Bridging	Up to 2mm
Pot Life	50 minutes @25°C
Elongation at Break	500%
Adhesion to Concrete (porous)	0.5N/mm

SURFACE PREPARATION

All surfaces to be waterproofed should be clean, sound and dry. The concrete surface should be smooth.

Holes, non structural cracks and other surface deformities should be repaired prior to application of the water proofing system.

All joints and fillets to internal corners and penetrations are to be sealed using *ACS Joint-Seal W25*.

MIXING

- Pour Part B (liquid) into a clean container. Stir with a low speed, heavy duty drill fitted with a mixing paddle.
- Pour Part A (powder) slowly into Part B and mix to a uniform consistency
- Avoid lump formation during mixing and move paddle up and down in the mix. Check for any unmixed powder at the bottom of the container
- Use the clean plastic pails supplied as product packaging for mixing containers

APPLICATION

- Pre- dampen all substrates with clean water 20 – 30 minutes prior to application.
- Do not allow ponding water; use a sponge or squeegee to remove excess water.
- Spread the thoroughly mixed *ACS Flexi-Proof GP2* by broad soft brush, high nap roller or soft bristle broom in two layers, each applied in a cross direction to the other.

NOTE:

- High stress areas such as structural cracks, joints, penetrations and floor wastes should be detailed using *ACS Flexi-Proof Tape*.
- Protect all applied membrane from site damage and exposure to heavy rain for 12 hours after application.
- Avoid apply *ACS Flexi-Proof GP2* under conditions of strong sunlight.
- Do not apply *ACS Flexi-Proof GP2* to very hot, dry substrates.

The following surfacing systems may be used after the *ACS Flexi-Proof GP2* has fully cured:

Tanking

Cover with *ACS Protection Board* or drainage board or system prior to backfill or landscaping.

CLEAN UP

Wash all equipment in water or water/detergent immediately on completion of application and mixing.

STORAGE

Store between 10°C and 30°C away from direct sunlight.

SHELF LIFE

Up to 12 Months if kept in cool, dry store.

HEALTH AND SAFETY

ACS Flexi-Proof GP2 is non-flammable and is classified non- hazardous under work safe guidelines, however all manufactured products should be handled with care and due diligence.

- If swallowed do NOT induce vomiting – give glass of water.
- If in eyes, hold eyes open, flush with water for at least 15 minutes.
- If skin contact occurs wash skin thoroughly do not use solvents.

For further information on above products, please refer to the relevant Material Safety Data Sheet.

Please Note:- The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses.

To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, incompetent preparation, inexpert or negligent application, or ordinary wear and tear.

Service or advice given by our staff should not amount to responsibility for the project - since the owner, or their contractor (and not River Sands), is responsible for procedures relating to the application of the product.



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