

PRIMER/BONDING & WATERPROOFING ADDITIVE

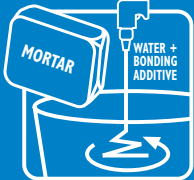
PACKAGING



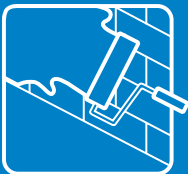
MIXING – PRIMER



MIXING – ADDITIVE



USES – PRIMER



BONDING ADDITIVE



SUBSTRATES

PRIMER
CONCRETE, BRICK,
BLOCK, RENDER,
BUILDING BOARDS.
ADDITIVES
CONCRETE, BRICK,
BLOCK, RENDER

DESCRIPTION

Kemcrete is an acrylic liquid based admixture and primer for concrete and mortar mixtures.

USES

Primer – use to bond screeds, renders and concrete toppings to old concrete, brick, block etc. (Do not use as a primer in permanently immersed applications i.e. pools, tanks, etc.)

Mortar Additive – use to make waterproof renders, floor toppings, graded screeds, renders and patching compounds.

FEATURES

Primer

- It eliminates the need to scabble old concrete
- Has more than twice the bond strength of PVA bonding agents.

Additive to mortar, render concrete.

- It bonds to substrate.
- Reduces shrinkage cracks.
- Allows feather edging application.
- Improves the waterproofing properties.

COVERAGE (Approximate)

Primer: 15m²/litre

Bonding Slurry: 3-4 m²/litre

Mortar Additive: 1m²/litre (10mm thick in a 3:1 sand/cement mix)

PERFORMANCE DATA - Additive

	3:1 Mortar		Kemcrete/Mortar 1 litre B.A. : 2 litre water 1 cement : 3 sand	
	Dry	Wet	Dry	Wet
Tensile strength:	3.1 N/mm ²	1.8 N/mm ²	5.1 N/mm ²	4.8 N/mm ²
Flexural strength:	7.2 N/mm ²	5.9 N/mm ²	12.4 N/mm ²	11.6 N/mm ²
Adhesion to concrete:	0.1 N/mm ²	0.3 N/mm ²	4.0 N/mm ²	1.7 N/mm ²
Adhesion to steel:	Nil	Nil	1.8 N/mm ²	1.6 N/mm ²

PERFORMANCE DATA - Primer

Shear bond strength (Kgf/cm ²)	No Bond Coat	PVA	Kemcrete
7 day Dry	2:25	6.26	26.65
28 day Dry	2:25	6.54	35.72
7 day Dry - 7 day Wet	6.26	7.45	20.04

SPECIFICATION

The Primer/Bonding Additive should be acrylic based having a minimum solids content of 40% such as Kemcrete manufactured by Construction Chemicals and shall be applied strictly in accordance with the manufacturers instruction.

SURFACE PREPARATION

The surface to be treated must be free from dirt, dust, grease, oil, efflorescence, laitance and other contaminants.

APPLICATION

Primer – Dilute 1 part Kemcrete with 1 part water. Apply with a brush, roller or spray. Wait 15-30 minutes before applying the new topping.

Bonding Slurry – Mix one part Kemcrete with two parts cement to make a stiff brushable mixture. Apply the mixture with a stiff broom or brush to the dampened surface forcing it into the pores of the surface.

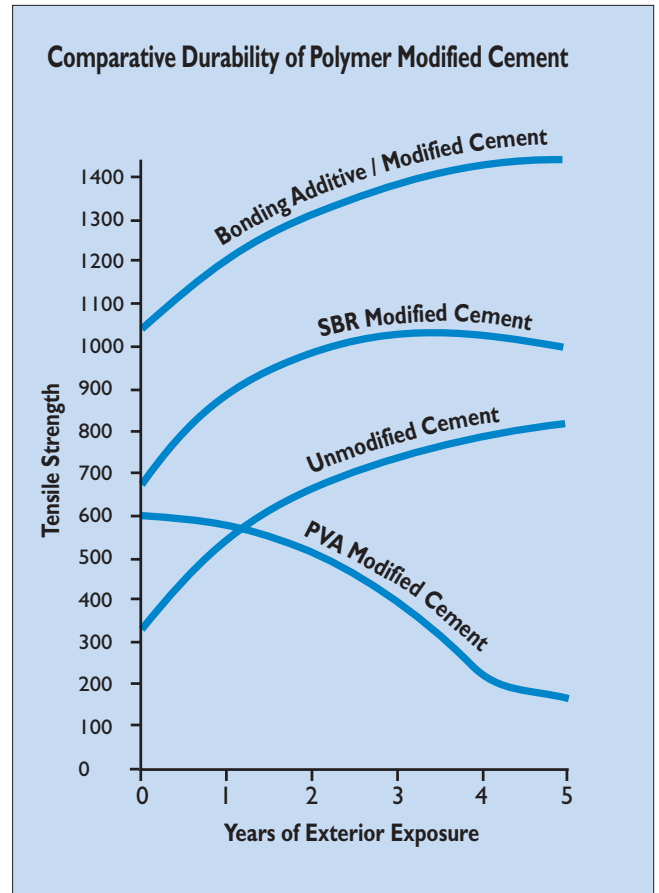
Mortar Additive: to make a waterproof render, floor topping, graded screed, patching compound. Mix a Kemcrete solution with a mortar mixture in the following ratio and apply with a trowel.

Cement	Sand	Kemcrete	Water	Coverage
Parts: 1	: 3	1	: 2	1m ²
(4kg)	(12kg)	(1L)	(2L)	(10mm thick)

SHELF LIFE

2 years

Additive



**CONSTRUCTION
CHEMICALS**

- **ADELAIDE** 467 - 469 SOUTH RD REGENCY PARK 5010 PH: (08) 8346 8013 FAX: (08) 8340 2052
- **BRISBANE** 45 COULSON ST WACOL 4076 PH: (07) 3271 2944 FAX: (07) 3271 3892
- **MELBOURNE** 1 / 10 GABRIELLE CT BAYSWATER NORTH 3153 PH: (03) 9761 4711 FAX: (03) 9761 4748
- **PERTH** 61 DOWD ST WELSHPOOL 6106 PH: (08) 9358 6493 FAX: (08) 9358 6493
- **SYDNEY** 2/ 31-33 NEWTON RD WETHERILL PARK 2164 PH: (02) 9756 3533 FAX: (02) 9756 3534
- **AUCKLAND** 16 CARPENTER RD EAST TAMAKI PH: (09) 273 5444 FAX: 0800 266 236
- **KUALA LUMPUR** LOT 2 JALAN KECAPI 33/2 ELITE INDUSTRIAL ESTATE OFF JALAN BUKIT KEMUNING PH: (03) 552 2522 FAX: (03) 522 2526