

PRIMER/BONDING & WATERPROOFING ADDITIVE

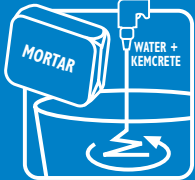
PACKAGING



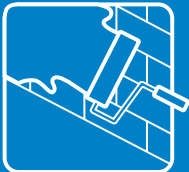
MIXING – PRIMER



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	Bonding Slurry	Bonding Agent	Waterproof Agent	Kemgrip Additive
Kemcrete	1L	1L	1L	2L	1L
Water	1L		3L	1L	4L
Cement		1Kg	8Kg	4Kg	Add to 20Kg Bag Kemgrip
Sand			24Kg	8Kg	
Coverage	15m ²	4m ²	4m ² (5mm thick)	1.5m ² (5mm thick)	

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 Kemcrete : 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 one part 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.

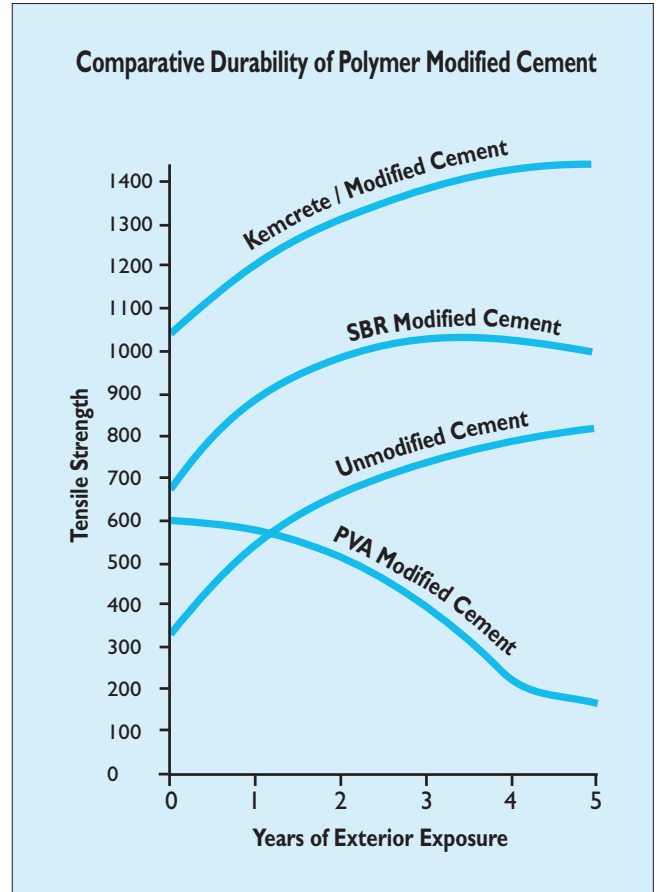
Mortar Additive: to make a waterproof render, floor topping, graded screed, patching compound. Mix a KEMCRETE solution with a mortar mixture in the following ratio and apply with a trowel.

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**

1 **ADELAIDE** 467 - 469 SOUTH RD REGENCY PARK 5010 PH: (08) 8346 8013 FAX: (08) 8340 2052
 1 **BRISBANE** 45 COULSON ST WACOL 4076 PH: (07) 3271 2944 FAX: (07) 3271 3892
 1 **MELBOURNE** 11 GABRIELLE CT BAYSWATER NORTH 3153 PH: (03) 9761 4711 FAX: (03) 9761 4748
 1 **PERTH** 11 COLLIE RD WELSHPOOL 6106 PH: (08) 9356 9999 FAX: (08) 9356 9955
 1 **SYDNEY** 31 NEWTON RD WETHERILL PARK 2164 PH: (02) 9756 3533 FAX: (02) 9756 3534
 1 **AUCKLAND** 16 CARPENTER RD EAST TAMAKI PH: (09) 273 5444 FAX: 0800 266 236
 1 **KUALA LUMPUR** LOT 2 JALAN KECAPI 33/2 ELITE INDUSTRIAL ESTATE OFF JALAN BUKIT KEMUNING
 40000 SHAH ALAM PH: (603) 5122 2522 FAX: (603) 5122 2526

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