

## PRIMER/BONDING & WATERPROOFING ADDITIVE

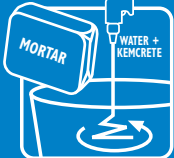
**PACKAGING**



**MIXING – PRIMER**



**MIXING – ADDITIVE**



**USES – PRIMER**



**APPLICATION**



**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 <sup>2</sup>	4m <sup>2</sup>	4m <sup>2</sup> (5mm thick)	1.5m <sup>2</sup> (5mm thick)	

### COVERAGE (Approximate)

Primer: 15m<sup>2</sup>/litre

Bonding Slurry: 3-4 m<sup>2</sup>/litre

Mortar Additive: 1m<sup>2</sup>/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 <sup>2</sup>	1.8 N/mm <sup>2</sup>	5.1 N/mm <sup>2</sup>	4.8 N/mm <sup>2</sup>
Flexural strength:	7.2 N/mm <sup>2</sup>	5.9 N/mm <sup>2</sup>	12.4 N/mm <sup>2</sup>	11.6 N/mm <sup>2</sup>
Adhesion to concrete:	0.1 N/mm <sup>2</sup>	0.3 N/mm <sup>2</sup>	4.0 N/mm <sup>2</sup>	1.7 N/mm <sup>2</sup>
Adhesion to steel:	Nil	Nil	1.8 N/mm <sup>2</sup>	1.6 N/mm <sup>2</sup>

### PERFORMANCE DATA - Primer

Shear bond strength (Kgf/cm <sup>2</sup> )	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 broom or brush, forcing it into the surface pores. 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.

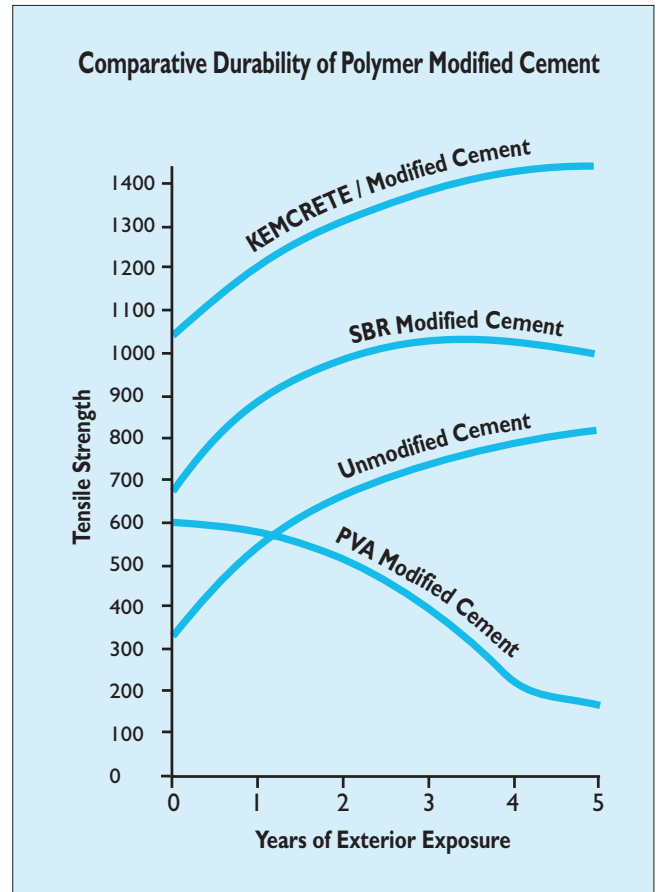
**Mortar Additive:** to make a waterproof render, floor topping, graded screed, patching compound. Mix a KEMCRETE solution with a mortar mixture in the following ratio and apply with a trowel.

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

## SHELF LIFE

2 years

## Additive



**CONSTRUCTION  
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