

## FLEXIBLE CERAMIC TILE ADHESIVE

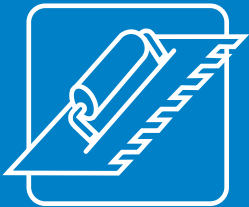
### PACKAGING



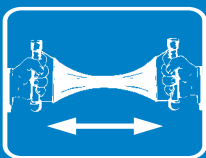
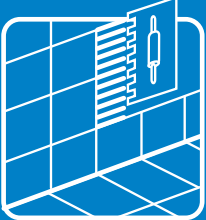
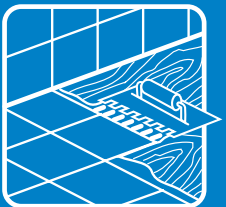
### MIXING



### APPLICATION



### USES



### SUBSTRATES

STRUCTURAL TIMBER  
FLOORS  
CONCRETE  
BRICK, BLOCK  
CEMENT RENDER  
BUILDING BOARDS  
GYPSUM, CEMENT,  
TIMBER

## 2 component liquid and powder

### DESCRIPTION

Kemflex is a two pack general purpose internal and external floor and wall adhesive, suitable for thin or thick bed application on surfaces subject to vibration and temperature fluctuation movement.

### USES

Adheres ceramic tiles to internal and external areas or cement render, brick and block, concrete, cement sheeting, plasterboard, hardboard, structural timber flooring, old tiles, and adequately prepared painted surfaces.

### TILE DIRECT TO TIMBER FLOORS

**Tongue and groove timber floors:** KEMFLEX will adhere to firm uncoated, uncontaminated tongue and groove timber floors. However, surface preparation of contaminated/flexing floors is difficult and the fixing of 6mm cement sheet underlay is recommended before fixing tiles.

**Wet Areas** must have FLEXIBLE SEALER, LIQUID FLASH or KEMSCREED waterproofing membranes applied before fixing tiles with KEMFLEX.

### COVERAGE (Approximate)

20 litres of liquid mixed with 25kg of powder covers between 16 and 18 sq/m (10 notched trowel).

### PERFORMANCE DATA

Exceeds the performance requirement of AS2358 and BS5385

Shear Bond Strength 13.26kg/cm<sup>2</sup> (1.3Mpa)

Acoustics	ASTM E 989	FIC 54
	ASTM E 413	FSTC 65

Test conducted by The University of Auckland.

*(200 x 200 ceramic tile fixed with 3mm Kemflex over 3mm Kemscreed on a 0.65mm topping on 200mm concrete floor. Covered by a suspended ceiling.*

FIC – Field Impact Insulation Class.

FSTC – Field Sound Transmission Class.

### SPECIFICATION

The ceramic tile adhesive will be a two pack flexible adhesive that conforms with AS2358 and BS5385 and has a minimum shear bond strength of 13.26kg/cm<sup>2</sup> (1.3Mpa) such as Kemflex manufactured by Construction Chemicals and shall be applied in accordance with the manufacturers application instructions.

### SURFACE PREPARATION

All surfaces must be sound, firm and free from oil, grease, dust, and other contaminants. Timber floors must be adequately nailed to eliminate movement. Sand down waxed, painted or contaminated floors and prime with PRIMER AND GROUT ADDITIVE after sweeping thoroughly.

### MIXING

Mixing ratio will vary depending on temperature and consistency requirements. Mix 4 litres of liquid with 4kg of powder then add extra powder to bring to the desired consistency. Stir liquid thoroughly then slowly add the powder to the liquid. (Never liquid to powder.) Stirring continuously to avoid lumps and achieve a uniformly wet mixture. Allow to stand for five minutes and restir before use. Do not mix more than can be used in one hour.

## APPLICATION

Apply the mixture with a notched trowel (6mm on walls, 10mm on floors), applying only 1 square metre at a time. (Do not spot fixtiles.) Fix tiles while the adhesive is wet on the surface. Press the tiles firmly into the adhesive ridges so that there are no voids beneath the tiles. Do not presoak tiles. Clean excess adhesive from the face of the tiles with a damp cloth before it dries. On irregular or awkward positions, tile backs can be fully buttered from 6-12mm thick and pressed firmly into position. The adhesive bed must be not less than 3mm to accommodate movement.

## GROUT

Grout with KEMGROUT mixed with PRIMER AND GROUT ADDITIVE or FLEXIBLE GROUT ADDITIVE after the adhesive has set (approximately 24 hours).

## POT LIFE

2-4 hours depending on temperature - cover surface to avoid surface drying.

## SHELF LIFE

1 year

**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