

FLEXIBLE CERAMIC TILE ADHESIVE

PACKAGING



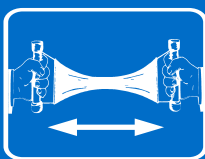
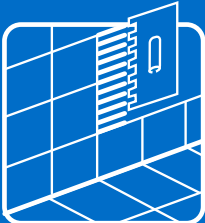
MIXING



APPLICATION



USES



SUBSTRATES

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

2 component powder and liquid

DESCRIPTION

KEMFLEX 2:1 is a two pack flexible 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. Exceeds the performance requirement of AS4992-1 C2T3S2.

USES

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

Tongue and groove timber floors: Fix 6mm cement sheet underlay before fixing tiles. **Wet Areas** must have FLEXIBLE SEALER, HYDRATHANE, LIQUID FLASH, LIQUID FLASH 2 PACK waterproofing membranes applied before fixing tiles with KEMFLEX 2:1.

COVERAGE (Approximate)

20 litres of liquid mixed with 40kg of powder covers between 18 and 22 sq/m (10mm notched trowel).

PERFORMANCE DATA

Exceeds the performance requirement of AS4992-1 C2T3S2.

Accommodates 1.2mm cracks at 3mm adhesive bed without cracking tiles.

Shear Bond Strength 13.26kg/cm² (1.3Mpa)

SPECIFICATION

The ceramic tile adhesive will be a two pack flexible adhesive that conforms with AS4992-1 C2T3S2 and has a minimum shear bond strength of 13.26kg/cm² (1.3Mpa) such as KEMFLEX 2:1 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, coatings and other contaminants. Screw fixing of cement sheet and structural timber flooring is recommended to permanently eliminate movement. Sand with a 40 grit (DUSTLESS) floor sander to remove coating from the structural timber flooring. Prime with PRIMER AND GROUT ADDITIVE after sweeping thoroughly. Vinyl (firmly adhered): Clean thoroughly removing all polishes and waxes. Roughen by sanding.

MIXING

Mix only KEMFLEX 2:1 liquid with KEMFLEX 2:1 powder. Mixing ratio will vary depending on temperature and consistency requirements. Mix 1 litre of liquid with 2kg of powder. 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 two hours.

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 fix tiles.) 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.

SAFETY PRECAUTIONS

Contains cement which contains silica. Wear gloves and appropriate respirator.

GROUT

Grout with KEMGROUT SANDED 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.



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