

## TWO PACK, WHITE, FLEXIBLE, PREMIUM TILE ADHESIVE

### PACKAGING



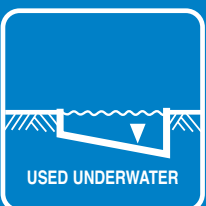
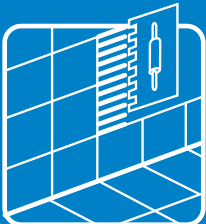
### MIXING



### APPLICATION



### USES



USED UNDERWATER

### SUBSTRATES

GYPSUM  
PLASTERBOARD  
CEMENT SHEET  
CONCRETE, BRICK, BLOCK  
ROUGHENED FIBREGLASS  
STRUCTURAL PARTICLE  
BOARD FLOORING  
CEMENT RENDER

### DESCRIPTION

ULTIMA is a two pack, white, premium grade, internal and external floor and wall adhesive with exceptional adhesive performance. ULTIMA can be used on many different substrates such as, metal, glazed ceramic tiles, roughened fibreglass, steel trowelled concrete and timber (particle board only).

### FEATURES

- Exceptional adhesion – suitable over a number of difficult to bond to substrates.
- Waterproof – suitable for use in constant water immersion applications.
- Flexible – accommodates normal building movement.
- White – suitable for translucent tiles.
- High initial adhesion – reduces the need for support in wall tiling applications.

### USES

A two pack thick or thin bed internal and external floor and wall flexible adhesive for fixing over most substrates eg concrete, heated concrete slabs, cement render, fibre cement sheets, plasterboard, existing properly prepared ceramic tiles and vinyl and Construction Chemicals waterproof membranes, as well as many other difficult to bond to substrates. Do not use over timber floors except structural particle board.

A test area is recommended to determine the suitability of the substrate.

### PERFORMANCE DATA

Exceeds the performance requirements of AS4992 shear bond strength 1.5Mpa.

### COVERAGE (approximate)

10lt liquid plus 25kg powder will cover 7-8m<sup>2</sup> using a 10mm notched trowel and 12-14m<sup>2</sup> using a 6mm notched trowel, over a true surface.

### SPECIFICATION

The ceramic tile adhesive will be a waterproof, fast setting flexible white, two pack adhesive that conforms to AS2358 and BS5980 and has a minimum shear bond strength of 1.5Mpa such as ULTIMA manufactured by Construction Chemicals and shall be applied in accordance with the manufacturers application instructions.

### SURFACE PREPARATION

The surface to be tiled must be structurally sound and clean, free from laitance, release agents, curing compounds, dust, waxes, paint and other contaminants. Prime porous substrates, cement sheet, building boards and up to 32 Mpa concrete with PRIMER AND GROUT ADDITIVE. New concrete must be 28 days old. Concrete swimming pools to be primed with PRIMAX. When using glass mosaics in fully immersed conditions check with the tile supplier as to the suitability. The adhesive used to fix the mesh to the back of the mosaic may swell and breakdown under these conditions. Ensure that no more than 10% of the back of the sheet of mesh mounted mosaic is covered by the substance used to adhere the glass mosaic to the mesh. Roughen fibreglass before application and remove the gel coat to expose at least 80% of the fibre – clean with water and allow to dry.

### MIXING

Mix 5 litres of liquid with 12.5kg powder to a thick creamy consistency. Pot life is approximately 1 to 2 hours, depending on temperature. Allow to stand for 5-10 minutes and restir before use.

## SET TIME

Approximately 8-12 hours, depending on temperature, humidity and surface porosity. Allow longer for dense tiles. Swimming pools allow four weeks before filling pool.

## APPLICATION

Apply adhesive with a notched trowel (6mm x 6mm for walls and 10mm x 10mm for floors) or butter the back of tiles 3-5mm thick. The final bed thickness must not be less than 2mm for walls, and 3mm for floors, to accommodate movement. Spread about 1 metre at a time. Tiles must be set in place while the adhesive is still wet on the surface. Press tiles firmly into the adhesive using a slight twisting motion. Tiles must be firmly bedded into the adhesive so no voids occur beneath the tiles. Do not spot fix.

## GROUTING

Grout after adhesive has set, approximately 8-12 hours. (Trafficable after 24 hours). Use KEMGROUT mixed with PRIMER AND GROUT ADDITIVE or FLEXIBLE GROUT ADDITIVE.

## SHELF LIFE

1 year.

**CONSTRUCTION  
CHEMICALS**

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