

# Waterproofing & Tiling Swimming Pools

## Priming

### Packaging



### Mixing



## Application



## Waterproofing

### Packaging



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## Fixing Tiles

### Packaging



### Mixing



### Packaging



### Mixing



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## Grouting

### Packaging



### Mixing



## Application



## Substrates

Concrete,  
Brick, Block  
Cement render

## Materials

**Primax** (two-pack primer), **Epecrete** (three-pack, epoxy dampproofing membrane), **Liquid Flash 2** (two-pack, acrylic, waterproofing membrane), **Elastacrete** (acrylic, flexible additive for **Kemgrip**), **Kemgrip Floor & Wall** or **Kemgrip Super** (cement-based adhesive), **Hydrabond** (one-pack, white adhesive) **Ultima** (two-pack, white, flexible, premium tile adhesive), **Epegrout** (three-pack epoxy grout), **Kemgrout Sanded** (cement-based grout), **Primebond** (acrylic grout additive) and **Kemcrete** (acrylic bonding additive).

## Surface Preparation

All surfaces must be clean and structurally sound and free of grease, dust, coatings, curing compounds and other contaminants. New concrete must have cured for 28 days or more. Render to cure for 7 days before tiling.

## Workmanship

Apply products in accordance with the manufacturers written instructions and good trade practice. Do not apply products in direct sunlight or hot windy conditions. Apply in temperatures between 10-30°C.

## Application

### Waterproof Membrane

Apply two coats of **Liquid Flash 2** to a final thickness of 1.5mm onto the prepared concrete, primed with **Primax** (brush applied).

### Screed if required

Should a screed be required, use a 1:3 cement; sand mortar mixed with 1:3 **Kemcrete**; water mixture. **Select an adhesive system to suit the substrate movement or flexibility requirements;**

## Firm

### Fixing tiles over sound concrete

(no waterproofing)  
High bond strength – **Kemgrip Super** 20kg mixed with 1 litre **Kemcrete**/3 litres water.

## Flexible

### Fixing tiles over membrane

Flexible – **Kemgrip Floor & Wall** mixed with **Elastacrete** (do not add water), **Hydrabond** or **Ultima**.

## Grouting

Mix **Primebond** with **Kemgrout Sanded** or use **Epegrout**.

## Curing

Allow a minimum of 7 days @ 23°C @ 50% relative humidity, before filling the pool.  
Allow longer in cooler conditions.

## Expansion/Movement Joints

Contact **Construction Chemicals** for further help.

## Precautions

Swimming pool and immersed applications must be tiled to protect the adhesive from pool chemicals and chemical balance problems. Chemical dosing of pools must not exceed the recommendations of AS3633.

## Water Balance

The chemical balance of pool water is critical to avoid pool maintenance problems, and for water health and safety. A correct balance of pH, effect of pH on chlorine, Total Alkalinity (TA), pH connection to Total Alkalinity, and calcium hardness must be achieved. Water testing must be in accordance with AS3633 under the supervision of an accredited pool testing professional.

