

# AQUA MOSAIC



## **Installation**

### **Internal Tiling of In ground Concrete Swimming Pool (Shotcrete Concrete Shell)**

#### *1. Preparation*

- Scrape Pool shell to remove loose material
- Concrete pool shell to thoroughly clean and dust free

#### *2. Rendering of the Concrete shell*

##### *2.1 Bonding of render to shell*

###### *2.1 a. Splash coat*

*Planicrete SP* mixed at a ratio of approximately 1 to 1 with water and some neat cement added.

This is applied to concrete, allow to dry.

###### *2.1 b. Slurry bond coat*

*Planicrete SP* mixed at a ratio of approximately 1 to 1 with water and some neat cement added.

Applied to concrete shell and render attached while wet.

(The viscosity of this mix is a yoghurt type consistency)

##### *2.2 Rendering of Shell*

Washed sand and cement mixed at a ratio of 3 or 4 parts sand and 1 part cement mixed with *Planicrete SP*.

*Planicrete SP* to be mixed with water at a ratio of 4 parts water and 1 part *Planicrete SP*.

#### *3. Tiling onto Render:*

*\* Note - A skim coat maybe required for translucent glass mosaics. This skim coat can consist of either Kerabond Plus with Isolastic 50 or Keraflex*

##### *3.a Adhesive Method for Glass Mosaics (Non - Mesh backed)*

Keraflex or Keraflex Maxi S1

Kerabond Plus with Isolastic 50

##### **\*Note :**

*Adhesive to be mixed to the desire consistency and applied to both the back of the stone and onto the substrate using the appropriate notched trowel.*

*It is recommended that when the first piece of stone is laid it will be removed and the adhesive coverage is checked. The coverage should be as close to 100% as possible and if not the trowel sizing or application of adhesive should be altered.*

#### 4. Grouting:

4.a Keracolour FF mixed with Fugolastic. Fugolastic diluted with water at the ratio of 4 parts water and 1 part Fugolastic

4.b Ultracolour Plus

4.c Kerapoxy

#### 5. Flexible Sealant:

Mapesil AC

#### Note :

- All materials to be used in accordance with Manufacturers specifications
- Mapei product data sheets can be located at [www.mapei.com.au](http://www.mapei.com.au)

### **Internal Tiling of Concrete Swimming Pool (Shotcrete Concrete Shell – Raised Shell or First Level and Above)**

#### 1. Preparation :

- Scrape Pool shell to remove loose material
- Concrete pool shell to thoroughly clean and dust free
- Skim coat concrete shell to fill voids with *Mapegrout* or *Mapefill GP*

#### 2. Waterproofing:

*Mapelastic Smart* ( 2 component highly flexible cementitious membrane )

Apply 2 coats using a Brush, Roller or Trowel.

#### 3. Rendering of the Waterproofed Concrete shell :

*Bonding to the waterproofing*

##### a. Splash coat

*Planicrete SP* mixed at a ratio of approximately 1 to 1 with water and some neat cement added.

This is applied to concrete, allow to dry.

##### b. Slurry bond coat

*Planicrete SP* mixed at a ratio of approximately 1 to 1 with water and some neat cement added.

Applied to concrete shell and render attached while wet.

(The viscosity of this mix is a yoghurt type consistency)

#### *Rendering of Shell*

Washed sand and cement mixed at a ratio of 3 or 4 parts sand and 1 part cement mixed with *Planicrete SP*.

Planicrete SP to be mixed with water at a ratio of 4 parts water and 1 part Planicrete SP.

#### 4. Waterproofing:

Mapelastic Smart (2 component highly flexible cementitious membrane)

Apply 2 coats using a Brush, Roller or Trowel.

#### 5. Tiling onto Waterproofing :

\* Note - A skim coat maybe required for translucent glass mosaics. This skim coat can consist of:

Kerabond Plus with Isolastic 50  
or Keraflex

##### a. Adhesive Method for Ceramic or Glass Mosaics ( Non - Mesh backed )

Keraflex or Keraflex Maxi S1

Kerabond Plus with Isolastic 50

\*Note : Adhesive to be mixed to the desire consistency and applied to both the back of the stone and onto the substrate using the appropriate notched trowel. It is recommended that when the first piece of stone is laid it will be removed and the adhesive coverage is checked. The coverage should be as close to 100% as possible and if not the trowel sizing or application of adhesive should be altered.

#### 6. Grouting :

a. Keracolour FF mixed with Fugolastic

Fugolastic diluted with water at the ratio of 4 parts water and 1 part Fugolastic

b. Ultracolour Plus

c. Kerapoxy

#### 7. Flexible Sealant :

Mapesil AC

#### **Note :**

- All materials to be used in accordance with Manufacturers specifications
- Mapei product data sheets can be located at [www.mapei.com.au](http://www.mapei.com.au)