

# 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
  
- Skim coat concrete shell to fill voids with *Mapegrout* or *Mapefil GP*  
If no render is required

#### *2. Rendering of the Concrete shell-- if required.*

##### *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 slurry or splash coat 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* mixed with water

*Keraquick* mixed with water (recommended in winter time for floors and stairs)

*Kerabond Plus* with *Isolastic 50*

Adhesive mixed to the desired consistency and spread using the appropriate notched trowel.

*4. Grouting:*

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

*4. b Ultracolor Plus preferred grout*

*4. b Kerapoxy*

*Colour to be selected and approved.*

*5. Flexible Sealant:*

*Mapesil AC*

*Pool grade silicone*

*Colour to be selected and approved.*

**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 Mapefil GP*

*2. Waterproofing: if no render is required the membrane should be a 3 coat application*

*Mapelastc 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 slurry and splash coat 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:

*Mapelastc 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* mixed with water

*Keraflex* mixed with water

*Kerabond Plus* with *Isolastic 50*

*Keraquick* mixed with water (recommended in winter time for floors and stairs)

Adhesive mixed to the desired consistency and spread using the appropriate notched trowel.

#### 6. Grouting:

a. *Keracolor FF* mixed with *Fugolastic*

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

b. *Ultracolor Plus* preferred grout.

c. *Kerapoxy*

Colour of grout to be selected and approved.

#### 7. Flexible Sealant:

*Mapesil AC*

Pool grade silicone colour to be selected and approved.

#### **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)