



## **KMR Resin.**

There are three types of resins available in the Kmark brand, polyester with styrene, polyester without styrene & epoxy acrylate without styrene. Most applications are the same. All cartridges have a coaxial nozzle outlet and is sealed with the screw cap.

### **For base material**

#### **Without perforated sleeves**

Concrete  
Hard natural stone  
Solid rock  
Solid masonry

#### **With perforated sleeves**

Hollow bricks  
Hollow blocks  
Voided stone or rock

#### **Uses**

Anchor sockets  
Fixing externally threaded rods  
Concrete reinforcing bars  
Securing profiled sections and bars

#### **Features**

Versatile  
Anchoring without expansion pressure  
Fixing close to free edges  
Medium/High load capacities  
Cost effective

## **Methods of Use**

### **Solid**

Drill the hole to the correct diameter and depth using a rotary percussive machine. Clean the hole using a stiff wire or nylon brush and clean compressed air or blow pump.

Once the hole is prepared remove the screw cap from the cartridge.

Attach mixer nozzle, place in applicator gun and dispense the first part of the cartridge to waste until an even colour is achieved.

Insert the mixer nozzle to the far end of the hole and half fill hole (depending upon application). Withdraw nozzle as you fill the hole. For deep holes extension tubing can be used.

Immediately insert the fixing.

This should be done slowly with a slight twisting motion. Excess resin should be removed from the mouth of the hole before it sets.

Leave the fixing undisturbed until loading time has elapsed, then attach the fixture and tighten the nut.

### **Hollow**

Drill the hole to the correct diameter and depth. This can be done with either a rotary percussive or rotary machine depending upon the substrate.

Insert the correct perforated sleeve.

Once the hole is prepared remove the screw cap.

Attach mixer nozzle, place in applicator gun and dispense the first part of the cartridge to waste until an even colour is achieved.

Insert mixer nozzle to the far end of the perforated sleeve and completely fill the sleeve with resin. Withdraw the mixer nozzle as the sleeve fills.

Immediately insert the fixing. This should be done slowly with a slight twisting motion. Leave the fixing undisturbed until the loading time has elapsed, then, attach the fixture and tighten the nut.

## **Technical data**

### **Gel and Loading Times**

| Application Temperature ( C) | T gel range (minutes) | T gel typical (minutes) | T load (minutes) |
|------------------------------|-----------------------|-------------------------|------------------|
| 30                           | 3 - 5                 | 3                       | 20               |
| 25                           | 4 - 7                 | 4                       | 30               |
| 20                           | 5 - 10                | 6                       | 40               |
| 10                           | 10 - 20               | 12                      | 80               |
| 5                            | 15 - 30               | 18                      | 120              |

**Shelf Life**

Cartridges should be stored in their original packaging in cool conditions (20 C – 0 C) out of direct sunlight. When stored in this way the shelf life will be 12 months from the date of manufacture.

**Health and Safety**

The KMR Cartridge System may contain styrene which is currently classified as a hazardous material, and it is flammable with a flash point of 32 C. Wear suitable protective clothing eye/face protection and gloves and ensure adequate ventilation. For further health and safety information please refer to the relevant Safety Data Sheet.

**[www.crocodilla.co.uk](http://www.crocodilla.co.uk)**

**Crocodilla™ Ltd  
Hill View Road  
Michelmersh  
Romsey  
Hampshire  
SO51 0NN  
Tel: 01794 367286**