# CLASSIC EPOXYSEAL

**Flexible, Solvent Free Epoxy Adhesive And Sealants**

***PRODUCT:***

High strength, flexible, crack filling adhesive and sealant for concrete. Two pack, solvent-free, modified epoxy resin. A sealant for filling saw cut joints. Filling cracks where subsequent movement may occur. Bonding new or old concrete. Resin injection to provide flexibility.

**DESCRIPTION**

***Classic Epoxyseal*** is a specially formulated modified solvent-free epoxy resin, which has excellent flexibility and very good adhesion to concrete. It has the particular advantage of bonding firmly to damp surfaces. ***Classic Epoxyseal*** has a very low viscosity, which aids application.

***ADVANTAGES:***

* Easy to apply
* Low viscosity
* Flexible
* Excellent adhesion, even to damp surfaces.
* Accommodates a degree of movement
* Toughness and durability
* Abrasion and chemical resistance
* Dust free and hygienic

***PACK & COVERAGE***

1 kg and 5 kg pack. 1kg will treat approximately 3.3m$^2$ of surface when used to bond concrete. Usage in saw cut joints depends on joint size.

**WHERE TO USE**

In saw cut joints as an easily applied sealant. For crack injection applications. To seal cracks in concrete screeds. To bond renders screeds and fresh concrete to existing concrete.

***TYPICAL PROPERTIES***

| | |
|---|---|
| Colour | Pale Straw |
| Viscosity at 20$^o$C | 400 cps |
| Pot life at 20$^o$C | 7 mins |
| Curing time at 20$^o$C | |
| Hard dry | 3 days |
| Full mechanical properties | 7 days |
| **Temperature range** | |
| In application | 10$^o$C - 30$^o$C |
| In service | 20$^o$C - 40$^o$C |

## *HOW TO USE*

### *Preparation:*

Surfaces should be prepared as instructed in the General Information Sheet.

### *Mixing:*

***Classic Epoxyseal*** comprises two components, the resin BASE and the HARDENER, which are supplied pre-weighed in the correct proportions. For application, the HARDENER should be poured into the can containing the BASE and drained well. The two components should be thoroughly mixed, using a mechanical stirrer, (e.g. electric drill with stirrer attachment), until the liquid is free from streakiness. In cold weather, mixing is aided by storing the tins in a warm atmosphere.

### *Application:*

For bonding together concrete sections; apply an even coating of resin to both prepared surfaces using a brush or roller. Ensure that both surfaces are saturated and bring the sections together under high pressure. Remove any resin which exudes from the joint. Protect the joint from movement until the resin has set. Where the surfaces to be joined are not a close fit the ***Classic Epoxyseal*** resin should be thickened to a light paste with dry O. P. cement. The use of excessive amounts of filler should be avoided as this will weaken the bond and reduce the flexibility of the system.

In saw cut / day work joints apply the mixed ***Classic Epoxyseal*** by direct pouring into the prepared joint. Alternatively, pour the mixed resin into an empty cartridge and apply by means of a skeleton gun. Joints should not exceed 12mm in width. It is possible to pigment the resin if necessary.

In crack injection applications where movement capability of the resin is required, then ***Classic Epoxyseal*** may be used in conjunction with injection nipples and ***Classic Epoxy Mortar*** epoxy paste adhesive. Please refer to our Epoxy Resin Crack Injection system information sheet.

Where cracks exist in a floor screed, they should be cleaned out to be free of dust, dirt and other contaminants and ***Classic Epoxyseal*** introduced by gravity feed or through a cartridge.

### *Curing:*

At temperatures greater than 10°C ***Classic Epoxyseal*** will be hard dry in 2-3 days.
Optimum mechanical properties and chemical resistance will be achieved following 7 days cure at 20°C. At temperatures below 10°C the cure will be slowed down. Subsequent exposure to temperatures greater than 10°C will be required.

### *Cleaning:*

Tools should be cleaned immediately after using with Epoxy Solvent.

### *Storage:*

Atleast one year in manufacturer's undamaged, sealed containers in dry conditions out of direct sunlight.