

# CLASSIC EPO<sup>®</sup> SEAL 204

Flexible, Solvent free Epoxy Adhesive & Sealants

## Product:

Provides 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 Epo seal 204** is a specially formulated modified solvent-free epoxy resin, which has excellent flexibility and very good adhesion to concrete. It has the particular advantages of bonding firmly to damp surface. **Classic Epo seal 204** 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 and Coverage:

1 Kg and 5 Kg pack. 1 Kg will treat approximately 3.3m<sup>2</sup> 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.

## How to Use:

### Preparation:

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





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## Mixing:

**Classic Epo seal 204** comprises two components, the resin BASE and the HARDENER, which are supplied pre-weighted 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 attachments), 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 should be thickened to a light paste with dry O.P. cement. The use of excessive amount 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 Eposeal 204** 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 Epo seal 204** may be used in conjunction with injection nipples and **Classic Epo Mortar epoxy past 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 duct, dirt and other contaminants and **Classic Epo seal 204** introduced by gravity feed or through a cartridge.

## Curing:

At temperatures greater than 10°C **Classic Epo seal 204** 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.

## Typical Properties:

Colour	Pale Straw
Viscosity at 20°C	400 cups
Pot Life at 20°C	7 mins
Curing time at 20°C	
Hard dry	3 days

Full mechanical properties 7 days

## Temperature range

In application - 10°C – 30°C  
In service - 20°C – 40°C

## Storage Life:

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

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