

# QUICKMAST 104

## Flexible epoxy adhesive and sealant



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### PRODUCT FEATURES

**Quickmast 104** is a two-pack, low viscosity, solvent-free, clear epoxy resin adhesive and sealant. It's high strength and flexible properties make it particularly suitable for filling saw cut joints and sealing cracks in concrete where subsequent movement may occur.

Quickmast 104 has good adhesion to damp concrete surfaces and is also effective as a bonding aid for fresh concrete, screeds and renders to old concrete surfaces.

Quickmast 104 has excellent abrasion resistance and is resistant towards many of the chemicals commonly used in an industrial environment (please consult Technical for details).

### MATERIALS SUPPLIED

1kg and 5kg pack size comprising resin and hardener component.

### STORAGE

Protect from frost and store under dry warehouse conditions at a temperature between 5°C and 30°C.

### SHELF LIFE

24 months in unopened, undamaged, sealed containers and stored under good conditions.

### COVERAGE

The coverage obtained will vary depending on the porosity and texture of the surface to which the coating is applied. As a guide, the coverage should be approx. 3 - 5m<sup>2</sup> per kg when applied to a smooth surface.

Usage in saw cut joints depends on the joint size.

### APPLICATION INSTRUCTIONS

#### SURFACE PREPARATION

To obtain a satisfactory bond, the surface must be structurally sound, clean, and free from dust, laitance, oils, paints or other forms of contamination. Grit blasting can be used to remove laitance and surface contamination. Saw cut joints and cracks should be cleaned out and be free of all loose debris and dust. (See DCP Guide to Surface Preparation for further details).

### MIXING

Quickmast 104 comprises two components, a Resin and Hardener that are supplied pre-weighed in the correct proportions. Under no circumstances should part mixing be carried out.

Taking care to ensure that the bottom and sides are thoroughly scraped, transfer the entire contents of the Hardener container into the Resin container. Using a power whisk attached to a slow speed electric drill, mix thoroughly for approximately 2 minutes until a uniform consistency is obtained.

### APPLICATION

For bonding concrete sections apply an even coating of Quickmast 104 to both prepared surfaces. Once both surfaces are saturated, bring sections together under high pressure and protect from movement until the product has set.

Remove any Quickmast 104 which exudes from the joint.

Where the surfaces to be joined are not a tight fit, the mixed resin and hardener can be thickened with a small amount of dry Ordinary Portland Cement to form a light paste.

As a bonding aid for fresh concrete, screeds or renders apply by brush an even coating of Quickmast 104 to the prepared concrete making sure it is brushed well into the surface. Apply the concrete, render or screed approximately 15 minutes after application of the Quickmast 104 when it becomes tacky. If the Quickmast 104 is allowed to become tack-free, a further coat should be applied, failure to do so may result in the bond being impaired.

For saw cut or 'day work' joints, pour the mixed Quickmast 104 directly into the joint or transfer the material into an empty cartridge and apply by means of a skeleton gun. For crack injection applications, Quickmast 104 can be used in conjunction with injection nipples and **Quickmast 341**.

## WORKING TIME

Approximately 30 minutes at 20°C. Mixed material should not be left standing for any length of time prior to application, as this will considerably reduce its working time.

## CLEANING

Clean uncured material with **Quickmast Solvent**. Cured material can only be removed mechanically.

## CURING

Quickmast 104 should be allowed to cure for 24 hours at 20°C before being subjected to foot traffic. At the same temperature, full mechanical and chemical properties are achieved after 7 days. At lower temperatures cure time will be extended. (Contact Technical for details of curing times at other temperatures).

## WORKING CONDITIONS

Do not apply at temperatures below 10°C.

## HEALTH AND SAFETY

Consult the appropriate Material Safety Data Sheet prior to use.

## GENERAL GUIDANCE

This data sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from our Technical Department.

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### Note:

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