

QUICKMAST 108

Slow-curing epoxy adhesive and protective coating



TECHNICAL DATA SHEET PUBLISHED APRIL 2011

PRODUCT FEATURES

Quickmast 108 is a two pack, slow-curing, solvent-free clear epoxy resin adhesive and protective coating suitable for application up to 40°C. It is ideal for:

- Repairing broken concrete sections.
- Use as a bonding aid for renders, screeds and fresh concrete to existing concrete.
- Use as a primer for other epoxy resin products.
- Protecting concrete from chemical attack.

Quickmast 108 has good abrasion resistance and is resistant to many of the chemicals commonly used in an industrial environment (Consult our Technical Department for further details).

MATERIALS SUPPLIED

1Kg and 5Kg pack sizes comprising Resin and Hardener components.

STORAGE

Protect from frost and store under dry warehouse conditions 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 - 5m² per Kg when applied to a smooth surface.

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. See the DCP Guide to Surface Preparation for further details.

MIXING

Quickmast 108 comprises two components, a Resin and Hardener which 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 for approximately 2 minutes until uniform.

TECHNICAL INFORMATION

Colour	Amber
Tack-free time at 20°C Tack-free time at 40°C	Approx 8 hours Approx 4 hours
Compressive strength at 20°C	65 N per mm ²
Flexural strength at 20°C	25 N per mm ²
Bond strength to concrete at 20°C	>3.0 (substrate failure)

APPLICATION

To bond concrete sections, apply an even coating of Quickmast 108 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 108 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, brush an even coating of Quickmast 108 to the prepared concrete at a rate of approximately 0.3Kg per m², making sure it is brushed well into the surface. Apply the concrete, render or screed approximately 30 minutes after application of the Quickmast 108 when it has become tacky. If the Quickmast 108 is allowed to become tack-free, a further coat should be applied. Failure to do so may result in the bond being impaired.

For protection from chemical attack, two coats should be applied within 24 hours of each other.

WORKING TIME

Quickmast 108 has a working time of approximately 50 minutes at 40°C. Mixed material should not be left standing for any length of time before 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 108 should be allowed to cure for 48 hours at 20°C before being subjected to foot traffic. At the same temperature, full mechanical and chemical properties are achieved after 10 days. At lower temperatures the cure time will be extended. Please consult our Technical Department for details of curing times at other temperatures.

WORKING CONDITIONS

Quickmast 108 should not be applied below 10°C.

HEALTH AND SAFETY

Please consult the appropriate Material Safety Data Sheet before using Quickmast 108.

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.

Please contact our Sales Department to confirm that this Data Sheet is the current Data Sheet.

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Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.



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