



Technical Data Sheet

QUICKMAST 398

Two Component Polyester Repair Mortar

Advantages:

- * Fast curing, even at low temperatures
- * High strength development
- * Easy to use
- * Non-critical mix ratio
- * Excellent adhesion to concrete
- * Easily shaped and placed
- * Very good chemical resistance
- * Resistance to water and weathering

Product:

An economical, high strength, two pack, fast setting, repair mortar designed for rapid repairs and as a fast curing adhesive.

Composition:

A combination of low viscosity unsaturated polyester resin, and processed mineral fillers including a catalyst / hardener

Purpose:

For making good defects in concrete. As a gap-filling adhesive especially where a fast cure is required.

Pack:

1 kg, 4 kg, 7.5 kg

Yield:

1 kg pack yields 0.5 litre

A SUBSIDIARY OF DON CONSTRUCTION PRODUCTS LTD., U.K.



No.4, II Block, Chowdhary Complex, Nandanam Extension, 5th Street, Nandanam, Chennai – 600035

Tel: 24331817, 24335345, 52110993 Fax: 24338272 E-mail: dccil@vsnl.com Website: www.don-india.com

INTRODUCTION:

Quickmast 398 has been formulated to meet situations where a fast setting, fine particulate, repair material is required. It is very readily worked to conform to awkward shapes and cures to give a smooth finish. When mixed, Quickmast 398 has a creamy paste consistency and can be worked with trowel and putty knife. It may be applied to vertical surfaces. Quickmast 398 adheres well to damp concrete if the surface is initially primed using a mixture of the RESIN with a small amount of the FILLER component.

TYPICAL PROPERTIES

Colour	Concrete Grey
Sp. Gravity	1.98g/cc
Pot life	20 mins at 20°C
Flash Point	34°C
Compressive strength at 20°C (to BS6319:part2 : 1983)	56N/mm ² at 3 hours 65N/mm ² at 1 day 69N/mm ² at 7 days
Tensile strength at 20°C (to BS6319:part7:1985)	11N/mm ² at 3 hours 12N/mm ² at 7 days
Temperature range:	
In application	0°C to 30°C
In service	-20°C to 80°C
Adhesion to concrete	5N/mm ² (Concrete failure)
Chemical resistance	excellent to most
Dilute acids and Alkalis, solvents, aqueous media, grease, oil, etc.	

WHERE TO USE

As a general patching material for the repair of spalled areas of concrete, damaged floors, runways, etc.
To repair damaged pre-cast units, particularly exposed and leading edges.
For bedding tiles.
Repairs to soffits.
As a fast setting adhesive, e.g. for bonding injection nipples in place.

HOW TO USE:

Preparation:

Surfaces should be prepared in accordance with the instructions given in the GENERAL INFORMATION SHEET.

Priming:

Quickmast 398 has excellent adhesion to sound surfaces but the use of a primer is recommended if the surface is damp. The primer in this case consists of the neat RESIN, as supplied, mixed with a little of the FILLER component. An approximate 10:1 RESINS:FILLER ratio will be ideal for the purpose. The mixture should be brushed vigorously into the surface to be bonded. The Quickmast 398 mixed to the standard, putty-like, consistency should be applied within 15 minutes of applying the primer.

Mixing:

The FILLER should be added to the liquid RESIN and thoroughly blended in until all the aggregate has been wetted and a uniform, cream-like, putty consistency has been obtained.

Application:

Apply the patching material with a small trowel or spatula and featheredge with a brush.

Cleaning: All tools and equipment should be cleaned immediately after use with Quickmast Solvent.

Curing:

The material will cure rapidly, even at low temperatures. Repairs with Quickmast 398 may be put back into service following 1 hour cure at 20°C, 2 hours at 10°C, or 6 hours at 0°C.

STORAGE:

Six months in dry conditions, below 30°C, in manufacturers undamaged, sealed containers out of direct sunlight.

HEALTH AND SAFETY:

Avoid contact with skin and eyes. Wash off affected skin soap and water.

Irrigate eyes with copious amounts of water and consult a physician. Avoid sources of ignition during application.

HOW TO SPECIFY:

Prime the surface with the RESIN:FILLER mixture and apply Quickmast 398 whilst tack coat is still wet. The polyester putty shall be mixed and applied to prepared surfaces strictly in accordance with the instructions of the manufacturer Don Construction Chemicals India Ltd.

The information given in this data sheet is based on both current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site conditions, etc.

In view of the continuing research and development being undertaken in our laboratories, we advise customers in their own interest to ensure that this data sheet has not been superseded by a more up-to-date publication. All products are sold subject to our standard conditions of sale which are available on request.

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