



## Technical Data Sheet

# QUICKMAST 402 A.R.

Protective Coating with outstanding Chemical and Acid resistance

### Advantages

- \* Resistant to a wide range of Chemicals and Acids
- \* Hygienic and easily cleaned
- \* Durable and abrasion resistant
- \* Resistant to oil, grease and water
- \* Excellent adhesion to most
- \* Easy to apply
- \* Solvent free and low odour

### Product:

QUICKMAST 402 A.R. is a two part, high-build, solvent free, epoxy coating, available in three colours, i.e. Red, Green, Grey.

### Purpose:

To provide a durable coating, with high chemical resistance. May be applied at low ambient temperatures.

### Usage:

One 5 kg pack is sufficient for an area of approximately 10 sq.m. at the recommended two coat treatment, depending upon surface texture.

**Pack:5kg**

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



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## Description

QUICKMAST 402 A.R. Protective Coating is based on solvent-free. Epoxy resins together with selected pigments and thixotrope which enables a substantial film thickness to be applied on vertical surfaces. The cured film is extremely tough and has a smooth, hard, surface but with fairly good slip resistant properties.

QUICKMAST 402 A.R. Protective Coating has excellent adhesion to concrete and metal surfaces, outstanding chemical resistance and is unaffected by oil, grease, petrol, etc. It can be used in food processing areas since after curing it is taint free.

## Properties

Colour ..... Red, Green and Grey Pot life  
(at 30°C) ..... 45 mins.

Curing time (at 30°C)

1 day for light foot traffic

2 days for heavier traffic

7 days for full chemical resistance

Temperature range:

during application ..... 3°C to 35°C

in service ..... - 20°C to 45°C

Chemical resistance

Unaffected by immersion in solutions of:

Caustic soda 40%, Hydrochloric acid 36%,

Sulphuric acid 50%, Detergent, Petrol and oils,

Dilute organic acids. Advice on resistance to other

Chemical will be given on request. Please consult our Technical Department for specific information.

## Where to use

QUICKMAST 402 A.R. Protective Coating provides a tough, hygienic, chemical resistant coating for walls, floors and ducts in dairies, abattoirs, sewers, food processing

areas, etc. (where floors will receive heavy wear, QUICKMAST 301 Epoxy Floor Screed should be used see separate data sheet)

## How to use

### Preparation

Surfaces should be sound, level and free of grease, oil and all loose deposits. Blow-holes and surface defects can be made good with QUICKMAST 348 Epoxy Putty, to facilitate the application of a uniform continuous coating.

Vacuum grit blasting or mechanical scabbing techniques are recommended to ensure optimum adhesion.

### Priming

QUICKMAST 402 A.R. Protective Coating has excellent adhesion to concrete so that priming is not normally necessary. If the concrete substrate is exceptionally porous a priming coat of QUICKMAST 173 Epoxy Sealer is recommended, applied at a nominal rate of 6m<sup>2</sup> sq.m. / litre. (Allow a minimum 24 hour dry / cure period before overcoating with QUICKMAST

402 A.R.). As regards to steel surface, QUICKMAST 108 can be applied as priming coat.

### Mixing

QUICKMAST 402 A.R. Protective Coating comprises two components, the resin BASE and the HARDENER which are supplied pre-weighed in the correct proportions. The ease of mixing in cold weather is aided by storing the tins in a warm atmosphere. When required 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 paddle attachment, until the material is uniform in colour.

### Application

QUICKMAST 402 A.R. Protective Coating should be applied by brush, roller or airless spray to give a continuous film on the prepared surface. The second coat should be applied in a similar manner at angles to the first coat on the following day.

### Coverage rates

The covering capacity of the coating will vary depending upon the porosity, texture of the surface and the ambient temperature. This will give a final coating thickness of 400 to 450 micron for a two coat application. When a non-slip or non-skid surface is achieved by aggregate scatter, 0.5 – 0.6 kg per sq.m. should be allowed for the second coat to allow for the increased surface area.

### Cleaning

Equipment should be cleaned with QUICKMAST SOLVENT immediately after use.

### Commissioning

At ambient temperatures of 30°C or more, QUICKMAST 402 A.R. protective coating will have hardened sufficiently in one day to allow light traffic, but full abrasion and acid chemical, resistance will be achieved only after 7 days cure at 30°C or equivalent.

### Handling Precautions

Cleanliness in handling Epoxy resins is essential to prevent skin irritation. Please refer to the QUICKMAST SAFE HANDLING GUIDE for detailed recommendations.

### Shelf Life

Shelf life is 6 months when stored in manufacturer's undamaged sealed containers under dry conditions, and out of direct sun light at temperatures between 5 - 30°C.

### How to specify

All surfaces (as indicated) shall be prepared and coated with two applications of QUICKMAST 402 A.R. Protective Coating, which is to be used strictly in accordance with the instructions of the manufacturer, Don Construction Chemicals India Ltd

The information given in this data sheet on both current development work and many years 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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