

# Data Sheet

## EPOMAST EP



### Epoxy Pitch Based Waterproofing & Protective Coating

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#### Description

**EPOMAST EP** is a two pack epoxy resin and pitch based system which forms a tough, flexible, impermeable and well bonded membrane. It is ideal for waterproofing and for providing protection against corrosion due to atmospheric pollution. It can also be dressed with a suitable aggregate to provide a tidy non-slip surface.

Typical applications of **EPOMAST EP** include:

- Tanking of concrete structures
- Waterproofing bridge decks
- Sandwich damp-proofing course for floors
- Protection of piers and abutments
- Protective coating of steel structures
- Protective chemical resistant coating for timber
- Treatment for permeable asphalt
- Non-slip aggregate dressing binder
- Waterproofing of felt or similar type sheet roofing

**Colour:** Black is the standard colour

#### Use

##### Surface Preparation

Surfaces must be sound, clean, dry, free from dust, loose materials, oils, grease and other deposits. Concrete should be free from excessive laitence and acid etched with a product such as **ADOCLEAN** if necessary. Steel should be shot blasted or similar to remove all rust and scale, followed by immediate treatment with an etch primer, zinc rich primer or similar. Asphalt should be scarified and if necessary treated with a detergent to remove oils and grease. Timber should be coarse sanded.

##### Mixing

Entire contents of Base and Hardener packs should be thoroughly mixed in clean plastic bucket or similar to obtain a completely uniform blend. For airless spray application material may be thinned by the addition of up to 70 ml. per kilo of a suitable solvent such as **RESOKLENS**. During cold weather, mixing and application will be facilitated by warming the pack to a temperature of approximately 20<sup>o</sup> C by application of indirect heat.

##### Application

Immediately after mixing apply by brush or airless spray. If applying by brush material should be brushed in two directions at right angles to each other. For two coat application top coat should be applied after first coat has become sufficiently firm so as not to be displaced by further brushing, and, to ensure good inter-coat adhesion, should preferably be carried out not later than early the following day. Do not apply in temperatures below 5<sup>o</sup> C.

##### Coverage

The coverage is 2-4 m<sup>2</sup>/ Kg per coat depending mainly upon surface texture. If material is thinned for spraying two coats should be applied and if applying by brush to vertical surfaces or soffits application may be facilitated by applying two well brushed out coats instead of one heavy coat. On 'new build' applications, or where a smooth surface is to be coated, better coverage rates may be achieved.

For binding in a non-slip aggregate dressing a thicker build will be required, applied in one coat, and as a

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guide a coverage of 0.8 kilos per sq. metre will be required for a fine aggregate dressing and up to 1.3 kilos per sq. metre for a coarse aggregate dressing. The aggregate should be embedded to approximately 2/3 depth to ensure good adhesion. For non-slip dressings an excess of aggregate is applied immediately after application of coating and the non-bonded residue brushed off the following day leaving treatment for a further 24 hours before being put into use.

#### Pot Life

This is influenced by temperature, volume of mixed material and type of container. Lower temperature, smaller volume and a wider container giving a shallower bulk of material, will extend pot life. In practice under normal conditions a pot life of approximately 35 minutes can be expected.

#### Cure Time

Full cure is achieved after approximately 7 days at 20<sup>0</sup> C. Lower temperatures will prolong cure time but treated surfaces will generally take light foot traffic the following day.

#### Cleaning of Equipment

Use **RESOKLENS** for cleaning equipment immediately after use and before material on it has set firm.

#### Storage

Keep all containers sealed, store at room temperature and away from direct heat. Under normal temperate and dry conditions storage life of one year can be expected.

#### Health & Safety

**EPOMAST EP** should be handled carefully and skin contact, exposure to high vapour concentrations and ingestion avoided. Wearing of overalls, gloves and protective eyewear should be considered together with the application of a suitable barrier cream to hands where necessary. Proper regard should be taken to the precautions necessary when storing and handling **EPOMAST EP** and **RESOKLENS**.

Refer to separate **EPOMAST EP** Health and Safety literature.