



Technical Specification

Water based Epoxy Primer / Sealer Coating

Epomast WB Primer is a two pack, water dispersible Epoxy based primer/sealer/clear coating, especially formulated to meet the technological and ecological requirements of modern building and industrial practice.

Epomast WB Primer is non-flammable and solvent free, is low odour, and may be applied to dry or damp surfaces.

Epomast WB Primer has excellent adhesion to most building materials, is non-toxic once cured, and consequently is a highly versatile material lending itself to application in many different types of location and circumstances

Advantages

Typical Uses

As a clear sealer for concrete and masonry surfaces.

As a primer for other Epomast Coatings e.g. Epomast SF Coating, Epomast Deckcoat, Epomast ET Coating.

As a damp surface primer or sealer for concrete.

Suitable for use in food factories, abattoirs, dairies, laboratories, sub-ways, chemical bunds etc

Advantages

Excellent adhesion to dry or damp surfaces

Low odour

Easily applied

Taint free

Very good chemical and abrasion resistance

Economical and versatile

Application

Surface Preparation

Surfaces should be sound, clean and free from standing water, laitance, oil, grease, and other contaminants.

New concrete should be allowed to cure for a minimum of 21 days. Floors should be mechanically abraded, scarified, grit blasted or acid etched where any subsequent coating is to be applied over the Epomast WB Primer.

Note: For steel work a coat of Epomast Steelprime is recommended as a primer instead of Epomast WB Primer.

Mixing

Epomast WB Primer is supplied in pre-weighed containers ready for mixing.

Pour the contents of the BASE container into the CURING AGENT container and thoroughly mix, preferably by mechanical means until a uniform consistency is achieved. A low speed drill with paddle attachment is recommended for mixing operations.

Note: Thinning of the material is not usually necessary. However, it is permissible to thin Epomast WB Primer by the addition of up to 20% by volume of clear water. This will reduce the viscosity, and facilitate application.

Application

Apply by brush, roller or airless spray at a nominal rate of 5 m² per Kg.

As a sealer or clear coating, a second coat should be applied after a minimum of 16 hours, and before a maximum of 48 hours.

As a primer, overcoating may be commenced as soon as the initial milky appearance has cleared, typically after 2-4 hours. Ensure good ventilation during application.

Equipment Cleaning

Clean equipment with Resoklens or a blend of Resoklens and water, immediately after use.

Curing

Epomast WB Primer will be touch dry following 6 hours cure @20C, and hard dry after 16 hours cure @ 20C. Full chemical resistance will be attained following 7 days cure @ 20C.

Good ventilation is essential to allow satisfactory evaporation of water from the film.

Limitations

- Do not apply to uncured surfaces.
- Do not apply Epomast WB Primer to surfaces previously treated with water repellent chemicals.
- Do not apply at temperatures below 3C, or if there is a risk of frost during the initial curing period.
- Do not use Epomast WB Primer that has exceeded the stated pot life.
- Protect from water splashes during the first 24 hours of cure, as the fresh film is sensitive to water.
- Relative humidity must be below 85% during the early stages of curing.
- Do not apply in badly ventilated areas

Typical Properties

- Pot life @ 20°C: 90 Minutes
- Colour: Clear
- Adhesion to dry concrete: 4.4MPa (concrete failure)
- Adhesion to damp concrete: 4.1MPa (concrete failure)
- Chemical Resistance: Excellent resistance to water, dilute acids, dilute alkalis, petrol, diesel, white spirit, skydrol, etc.
- Specific advice will be provided by our Technical Department.

Coverage

- A 5kg pack is sufficient to prime 25 m² of surface. (15kg pack pro rata).

Storage

- Store in dry conditions, out of direct sunlight, at temperatures between 10°C and 25°C.
- Epomast WB Primer has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturer's instructions.

Shelf Life

- Shelf life is 12 months in the supplied sealed container subject to storage temperature and humidity.

Specification

- Epomast WB primer is supplied by Adomast Manufacturing Ltd and shall be applied strictly in accordance with the manufacturer's instructions.
- For specific advice regarding any aspect of this product, please consult our Technical Department

Health and Safety

- Avoid contact of the material with skin and eyes.
- Wear gloves and goggles.
- Wash off splashes immediately with soap and water.
- Any eye contamination must be rapidly irrigated with copious amounts of clean water, and immediate medical attention sought.
- Please refer to Material Safety Data Sheet for additional information
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