



## DESCRIPTION

Florprime is a two pack, water dispersible Epoxy based primer coating, especially formulated to meet the technological and ecological requirements of modern building and industrial practice. Florprime is non-flammable and solvent free, is low odour, and may be applied to dry or damp surfaces. Florprime 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.

## TYPICAL USES

As a primer for all coatings if the concrete substrate is porous. Suitable for use in food factories, abattoirs, dairies, laboratories, subways, chemical bunds etc.

## ADVANTAGES

- Excellent adhesion to dry or damp surfaces
- Low odour
- Easily applied
- Taint free

## 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.

## PROCEDURE



## 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 sound and free from contaminants, mechanically abraded, or ground where subsequent coatings are to be applied over the Florprime. Note: For steel work a coat of Steelprimer is recommended as a primer instead of Florprime.

## MIXING

Florprime is supplied in pre-weighted 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 Florprime by the addition of up to 20% by volume of clear water. This will reduce the viscosity, and facilitate application. **Once mixed, ensure the product is either transferred straight into a scuttle or directly to the floor to reduce the speed of the exothermic reaction.**



## APPLICATION

Apply by brush or roller at a nominal rate of 5 m<sup>2</sup> per Kg. 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 water immediately after use.

## CURING

Florprime 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.

## STORAGE & SHELF LIFE

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

## COVERAGE

A 5kg pack is sufficient to prime 25 m<sup>2</sup> of surface.

## LIMITATIONS

Do not apply to uncured surfaces.

Do not apply Florprime 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 Florprime 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.

## PACKAGING

Florprime is supplied as 2 parts. Base and curing agent. It is supplied in 1KG, 2.5KG, 5KG and 15KG packs.

## HEALTH & 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. Florprime shall be applied strictly in accordance with the manufacturer's instructions.

## DOCUMENT VERSION

### VERSION 2

**DATED:** 12/11/2020

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RM Suppliers Ltd, 38 High Street North, Langley Moor, Co. Durham. DH7 8JG **TEL:** 0191 389 7067 **EMAIL:** [technical@rmsuppliers.com](mailto:technical@rmsuppliers.com)