

# MITCH EPOPRIMER

Resin Based Epoxy Floor Primer & Bonding Agent



## DESCRIPTION

**MITCH EPOPRIMER** is two packs, solvent free epoxy resin based floor primer and bonding agent.

## USES

**MITCH EPOPRIMER** can be used for priming substrates for all **MITCHELL** systems. The product is especially suitable as a primer for resin based epoxy repair mortars and flooring systems.

**MITCH EPOPRIMER** is useful for bonding fresh concrete/ repair mortars/ epoxy to old concrete that is fully cured.

**MITCH EPOPRIMER** can be used to bond sprayed concrete/mortar to old concrete surfaces.

**MITCH EPOPRIMER** can be used on horizontal and vertical surfaces as a repair ingredient to corroded or spalled concrete.

**MITCH EPOPRIMER** as a waterproof joint in sandwich constructions.

## COVERAGE

25-50 grams/ SFT

## PACKAGING

5 kg, consisting of Base A and Hardener B.

## COLOR & FINISH

Available in transparent Gloss.

## SPECIFICATION

### SURFACE PREPARATION

The substrate must be prepared by vacuum shot blasting. Rough contamination can be removed by grinding.

**MITCH EPOPRIMER** can be applied to the surface directly if the substrate moisture content does not exceed max. 3.5 % by weight (measured electrically using the Krafft method or according to a recognized standard). The surface must have adhesive pull strength of minimum 1.5 N/mm<sup>2</sup>. All traces of contaminants such as oils, fats, greases, paint residues, chemicals, algae and laitance should be removed.

Concrete or screed substrate should be a minimum of 25 N/mm<sup>2</sup> and above 10 °C, free from laitance, dust and other contamination. The substrate should be dry to 75% RH as per BS 8204 and free from rising damp and ground water pressure. Water proofing products can be incorporated directly beneath the **MITCH EPOPRIMER** system.

## MIXING

Pack components are pre-weighed for optimum performance. Never split or proportion packs. Do not mix by hand. Add Hardener **B** and Base **A** container. Mix with a slow speed drill for 2 minutes, taking care not to entrain air. Aggregate would be added to if back rolled textured finish is required.

## APPLICATION

### As Bonding Agent

When using **MITCH EPOPRIMER** apply a flooded coat and let it be tacky. Pour the new epoxy, cement sand mortar or concrete only till it's tacky. If it dries out apply a fresh coat.

### As A Primer Coating

**MITCH EPOPRIMER** can also be used as primer for epoxy coatings. The priming compound is poured onto the surface in portions and spread with a spatula or a rubber spreader. The primer must be applied so as to form a film and be free of pores. After 24 hours apply the required epoxy coat.



### As A Chemical Resistant Coating

Unless the treatment is required to provide chemical resistance, an additional two coats are normally sufficient. Chemical resistant work or floors always requires three coats. Drying time will depend upon temperature, humidity and ventilation. If working indoors or in confined spaces, ensure adequate ventilation. Outdoors, the wet film is liable to wash off in rain or be damaged by frost. **MITCH EPOPRIMER** may be over coated at any time. Ensure that the surface is clean and free of contamination and chalking. Over coating, without inter-coat adhesion problems may be carried out with **MITCH EPOPRIMER** itself or solvent-borne or solvent-free epoxies or other compatible coatings.

The priming compound is poured onto the surface in portions and spread with a spatula or a rubber spreader. The primer must be applied so as to form a film and be free of pores.

To improve inter-layer adhesion the wet primer is sprinkled with silica sand QS20 (consumption approx. 1 kg/m<sup>2</sup>). Before applying the next layer, excess silica sand must be removed completely. If reworking the layer within 24 hours after application the layer need not be sanded. Reworking later than that is only possible after sanding it carefully. If the next layer is meant to be applied later than 24 hours after the primer, the primer must be covered entirely with silica sand. (Consumption approx. 3 kg/m<sup>2</sup>).

## SPEED OF CURE

	10 °C	20 °C	30 °C
Pot Life	80 min	40 min	25min
Light traffic	48 hrs.	24 hrs.	24 hrs.
Full traffic	72 hrs.	48 hrs.	48 hrs.
Full chemical cure	12 days	7 days	7days

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## **AFTERCARE - CLEANING AND MAINTENANCE**

Clean regularly using a single or double headed rotary scrubber drier in conjunction with a mildly alkaline detergent.

**MITCH EPOPRIMER** can easily be reapplied over abraded surface after extensive use to revive its original appearance and finish.

## **CURING**

Full curing takes around 5-6 days and it is absolutely essential that the repaired surface be cured properly.

## **HEALTH & SAFETY**

Some of the components of this product may be hazardous during mixing and application, please take all precautionary measures to avoid any contact with eyes, mouth, skin and foodstuff. For further information consult the relevant health & safety data sheets.