

# MASTERTOP® P688

Two part solvent-free epoxy primer for fast return to service flooring systems

## DESCRIPTION

**MASTERTOP P688** is a solvent-free, non pigmented 2-part epoxy based primer for fast return to service flooring systems.

## RECOMMENDED FOR

**MASTERTOP P688** is applied as a primer on concrete for fast return to service or other industrial epoxy or polyurethane flooring products for medium to heavy industrial wear.

**MASTERTOP P688** is applied to substrates such as concrete and cement screeds. **MASTERTOP P688** can be applied in a single coat from 0.1 – 0.7 mm using a notched trowel or roller.

## FEATURES AND BENEFITS

**MASTERTOP P688** creates an extremely good bond to any applied aggregates and becomes an integral part of the load bearing flooring system. It bonds very well to subsequent topcoats and is extremely wear-resistant even if exposed to heavy wear and tear. The product is easy to apply and exhibits excellent mechanical strength properties when fully cured.

**MASTERTOP P688** provides good chemical and mechanical resistance.

## PERFORMANCE DATA

Mix ratio (by weight) (A:B)	2.5:1
Mixed density	1.08 g/cm <sup>3</sup>
Mixed viscosity Brookfield DV-II – No 3 Spindle 100rpm	560 mpa s
Pot life (7kgkit)	20 minutes
Ready for foot traffic	Less than 8 hours
Recoat interval	Approx. 4 hours
VOC content*	39grams/litre

All data measured at 25°C

## PROPERTIES

In 8 hours at 25°C	In 24 hours at 25°C
Shore D hardness 50	Shore D hardness 74
Bonding strength greater than 1.5MPa (concrete failure)	Bonding strength greater than an 1.5MPa (concrete failure)
Application temperature	15°C to 35°C

## APPLICATION

### Surface Preparation

The substrate has to be load-bearing, free of loose and brittle particles as well as substances which impair adhesion such as oil, grease, rubber skid marks, paint or

other contaminants. **MASTERTOP P688** must be applied to a substrate prepared by captive shot blasting grinding or other approved surface preparation methods.

The temperature of the substrate must be at least 3°C above the current dew point. Maximum moisture content should be 7% or less.

The substrate to be coated must be protected against rising damp (back pressure).

### Mixing

Prior to mixing the temperature of the products must be between 15–30°C. Pour Part B into the drum containing Part A and ensure that container B is emptied completely.

To achieve a homogenous mix, both parts must be thoroughly mixed with a mixing device at about 300-500 rev/min. Ensure that the mixing device reaches side and bottom areas of the mixing vessel. Stir for 2 minute or until homogeneous then scrape down the sides of the drum and mix for another minute to achieve uniformity.

### Placing

After mixing, **MASTERTOP P688** is applied to the pretreated substrate, using a notched trowel, scraper or roller.

The teeth size should be selected according to the thickness of layer required. Due to the long open time at elevated temperatures temperature changes will have little effect on useable pot life.

At low temperatures the chemical reaction is slowed down; this lengthens the pot life.

To fully cure the product the substrate temperature must not fall below 5 degrees in the minimum.

### Curing

Following after application, **MASTERTOP P688** should be protected from direct contact with water for approximately 6 hours at about 23±2°C.

## ESTIMATING DATA

At 0.1 to 0.7mm thickness: 0.1 kg/m<sup>2</sup> to 0.7 kg/m<sup>2</sup>

## CLEANING

Clean the tools and equipment first with rags, then wipe off using a solvent such as Xylene before the resin system hardens.

## PACKAGING

**MASTERTOP P688** is supplied in 14kg per set working packs:

Part A resin	10.0 kg
Part B hardener	4.0 kg



The Chemical Company

# MASTERTOP<sup>®</sup> P688

## SHELF LIFE

MASTERTOP P688 can be stored in original packing for 12 months, if stored in a dry and enclosed place without exposing to direct sunlight at temperatures between 15 to 30°C.

## PRECAUTIONS

VOC content: g/L 39 (HK prod code P10-05)

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the BASF Construction Chemicals **Material Safety Data Sheet (MSDS)** from our office or our website.

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## STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

## NOTE

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