

# MasterSeal<sup>®</sup> P 243

Three-component solvent-free polyurethane primer for concrete floors

## DESCRIPTION

**MasterSeal P 243** is a high grade; medium-viscosity, three component polyurethane based primer for concrete floors.

## TYPICAL APPLICATIONS

**MasterSeal P 243** is specifically designed for the use as a concrete floor primer in conjunction with other polyurethane based floor coating systems where the flexibility of the whole system needs to be confirmed.

## PACKAGING AND COLORS

**MasterSeal P 243** is supplied in 25 kg units and is colourless.

PTA	16.20 kg
PTB	2.55 kg
PTC	6.25 kg

## TYPICAL PROPERTIES\*

Cured at 7 days @20°C	
Mixed density @ 25°C	~1.55 kg/L
Pot Life @ 25°C	~25 min
Tack free time @ 25°C	2 h 30 min
Pull of strength	2.0 N/mm <sup>2</sup>
Bonding strength	Greater than cohesive strength of typical good quality concrete substrate
Application time	approx. 20 min at approx. 25°C
Application temperature	10°C to 40°C substrate temp.
Re-coatable after	approx. 4 h at 30°C
	approx. 8 h at 20°C

## APPLICATION GUIDELINES

### Concrete substrates:

The surface to be coated must be clean and free of dust, oil and grease; it must be capable of bearing loads. Laitance must be removed by means of captive shot blasting, grinding or other suitable method to achieve a CSP of 2 to 3.

During periods of high ambient temperatures keep the materials in an air-conditioned store at below 25°C for at least 48 hours prior to use.

Once mixed the full kit has a relatively short pot-life within which it must be placed. Leaving large mixed volumes in the bucket will induce heat generation and greatly reduce the pot-life (especially in high ambient temperatures).

## MIXING

Pour the reactor (PTB) component into the base (PTA) component container then mix slowly for 1 minute. Whilst the mixer is still running slowly add the entire contents of the powder component (PTC) and continue mixing until a lump free consistency is achieved (2-3 minutes). Do not overmix as the pot-life of the product is relatively short.

## PLACING / APPLICATION

Once mixed, immediately pour out onto the prepared floor in a continuous line and using a rubber squeegee or steel trowel spread evenly and quickly to the required application rate ensuring there are no pools or dry-spots. If necessary, immediately back roll (one way only) to remove any trowel / squeegee marks.

Once applied allow the primed surface to become tack-free before overcoating.

Primed surface can be blinded with **MasterTop SR 3** if a non-slip finish is required.

# MasterSeal<sup>®</sup> P 243

## COVERAGE / YIELD

Approximately 0.65 kg/m<sup>2</sup> depending on surface texture and porosity.

Approximate yield of 16.1 L / 25 kg unit

## STORAGE AND SHELF LIFE

Shelf life is 6 months, if stored under cover, out of direct sunlight and protected from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult Master Builders Solutions Technical Services Department.

## HEALTH AND SAFETY

Avoid any inhalation of vapours, avoid skin contact. Wear protective gloves and protective goggles. In case of skin contact, rinse immediately with soap and water. In case of eye contact, bathe eyes with water at once, then consult a doctor. Observe the guidelines concerning the handling of epoxy resins and amines issued by the Employer's Liability Insurance Associations.

## QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001 and ISO 14001.

\* Properties listed are based on laboratory controlled tests.

® = Registered trademark of the MBCC Group in many countries.

MBS\_CC-UAE/SI\_P 243\_09\_19

### STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions 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

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

**Master Builders Solutions**  
**Construction Chemicals LLC**  
P.O. Box 37127, Dubai, UAE  
Tel: +971 4 8090800  
[www.master-builders-solutions.com/en-ae](http://www.master-builders-solutions.com/en-ae)

**Disclaimer:** the TUV mark relates to certified management system and not to the product mentioned on this datasheet



A brand of  
**MBCC GROUP**