

# MASTERTOP® BC 370 AS

Two component solvent-free EP self-levelling anti-static floor coating

## DESCRIPTION

**MASTERTOP BC 370 AS** is a conductive, solvent-free, pre-filled, pigmented two component DP self-levelling coating.

## RECOMMENDED FOR

**MASTERTOP BC 370 AS** is for indoor use where an anti-static floor coating is required. **MASTERTOP BC 370 AS** is suitable for applications to mineral substrates such as concrete or cement mortar screeds, primed with **CONCRESEIVE 2525** and **MASTERTOP CP 687 W-AS** (conductive primer). **MASTERTOP BC 370 AS** resists medium to heavy industrial traffic. It is used in the systems **MASTERTOP 1270 AS** and **MASTERTOP 1270 AS-R**.

## FEATURES AND BENEFITS

- Conductive floor coating
- Exhibits excellent mechanical strength and anti-static properties
- Abrasion resistant
- Good adhesion to non-porous substrates
- Easy to clean and maintain
- Easy to apply
- Extremely resistant to a variety of alkalis, diluted acids, brine, mineral oils, lubricants and fuels

## TECHNICAL DATA\*

Mixing ratio A:B	Parts by weight		5:1
Mixed density		g/cm <sup>3</sup>	1.46
Viscosity	at 23°C	mPas	1900
Pot-life (30kg drum)	at 20°C	min	30
Recoating interval/ready for traffic	at 20°C	h d	min. 15 max 2
Fully cured/ready for exposure to chemicals	at 20°C	D	5
Substrate and application temperatures		°C °C	min. 10 max. 30
Max. permissible relative humidity		%	75
Shore D hardness	After 28 days		80
Resistivity (resistance to ground)	DIN EN 1081	Ohms	10 <sup>4</sup> -10 <sup>6</sup>

## APPLICATION

**MASTERTOP BC 370 AS** is supplied in working packs which are pre-packaged in the exact ratio. Before mixing, precondition both A and B components to a temperature of approximately 15 to 25°C.

Pour the entire contents of Part B into the container of Part A. **DO NOT MIX BY HAND**. Mix with a mechanical drill and paddle at a very low speed (ca. 300rpm) for at least 3 minutes. Scrape the sides and the bottom of the container several times to ensure complete mixing. Keep the mixer blades submerged in the coating to avoid introducing air bubbles. **DO NOT WORK OUT OF THE ORIGINAL CONTAINER**. After proper mixing to a homogeneous consistency pour the mixed Parts A and B into a fresh container and mix for another one minutes.

After mixing, **MASTERTOP BC 370 AS** is applied to the substrate coated with **MASTERTOP CP 687 W-AS** conductive primer, using a notched trowel or scraper. The teeth size should be selected according to the thickness of layer required (take care not to exceed maximum recommended coverage rate). To remove air bubbles, spike roll 5-10 minutes after application).

The curing time of the material is influenced by the ambient, material and substrate temperatures. At low temperatures, the chemical reactions are slowed down; this lengthens the pot life, open time and curing times. High temperatures speed up the chemical reactions thus the time frames mentioned above area shortened accordingly. To fully cure, the material, substrate and application temperature should not fall below the minimum. After application, the material should be protected from direct contact with water for approximately 24 hours (at 20°C). Within this period, contact with water can cause a surface bloom and/or surface tackiness, both of which must be removed. Carbamate has a marked effect on the conductivity of the coating and would have to be removed.

## SUBSTRATE PRE-TREATMENT

**MASTERTOP BC 370 AS** must be applied to substrates primed with conductive primer **MASTERTOP CP 687 W-AS**. The substrate must 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. Pre-treatment is only necessary when the re-coating interval of the conductive layer has been exceeded. If necessary, the conductive layer must be renewed.

After surface preparation the tensile strength of the substrate should exceed 1.5N/mm<sup>2</sup> (check with an approved pull-off tester ie "Herion" at a load rate of 100 N/s). The residual moisture content of the substrate must not exceed 4% (check with eg CM device).

The temperature of the substrate must be at least 3K above the current dew point temperature. A dampproof course must have been properly installed and intact.



The Chemical Company

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## ESTIMATING DATA

1.0-2.5kg/m<sup>2</sup> according to system, refer to **MASTERTOP 1270 AS** data sheet.

## COLOURS

**MASTERTOP BC 370AS** is available in a range of colours. Contact you local BASF Construction Chemicals technical representative.

## PACKAGING

**MASTERTOP BC 370AS** is supplied in 30kg working packs.

## STORAGE

Store in original containers under dry conditions at a temperature between 15-25°C. Do not expose to direct sunlight and prevent the temperature from falling below the above mentioned range (crystallization). Under these conditions the material has a shelf life of 12 months.

## PRECAUTIONS

In its cured state, **MASTERTOP BC 370 AS** is physiologically non-hazardous. The following protective measures should be taken when working with the material:

Wear safety gloves, goggles and protective clothing. Avoid contact with the skin and eyes. In case of eye contact, seek medical attention. Avoid inhalation of the Fumes. When working with the product do not eat, smoke or work near a naked flame.

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)** of the individual products 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

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

**BASF Australia Ltd**  
A.B.N. 62008437867  
Head Office: 11 Stanton Road Seven Hills, NSW 2147  
Ph. (02) 8811 4200

Newcastle (02) 4961 3819  
Canberra (02) 6280 6010  
Brisbane (07) 3633 9900  
Townsville (07) 4774 7344  
Melbourne (03) 9549 0300

Adelaide (08) 8139 7500  
Perth (08) 9366 2600  
Darwin (08) 8984 3269  
Kalgoorlie 0417 772 355

**BASF New Zealand Ltd**  
**BASF WEB SITES**

Head Office: 45 William Pickering Drive, Albany, Auckland Ph: (09) 414 7233  
www.basf-cc.com.au www.basf-cc.co.nz www.meyco.basf.com