



The Chemical Company

MASTERTOP[®] 1270 AS

Epoxy based anti-static flooring system

DESCRIPTION

MASTERTOP 1270 AS is a flow applied solvent free epoxy resin flooring system with static dissipating properties, available in a range of colours.

MASTERTOP 1270 AS provides a smooth seamless floor with a good shine. Where required a slip resistant finish is available.

RECOMMENDED FOR

The **MASTERTOP 1270 AS** Flooring System is designed for use wherever the control of unwanted static electricity is required and is suitable for use where light to medium industrial traffic is to be encountered.

- Electronic component clean rooms and manufacturing areas
- Dry powder filling and handling areas
- Flammable gas handling areas
- Pharmaceutical
- Healthcare
- Laboratories
- Aerospace and defence
- Automotive
- Communication industries

MASTERTOP 1270 AS floors have excellent mechanical properties and offer good abrasion and wear resistance characteristics for areas subject to light to medium duty industrial traffic.

In wet areas the anti-slip finish should be used.

FEATURES AND BENEFITS

- **Electrically conductive to recognised international standards**
- **Fast curing allows light traffic after 24 hours**
- **Seamless, closed and dust free surface facilitates cleaning and the maintenance of hygiene standards**
- **High mechanical strength and impact resistance for durability**

STATIC CONDUCTIVITY

MASTERTOP 1270 AS meets the requirements for dissipation of static electricity .

Electrical properties: DIN EN 1081, 104 – 106 ohms

NB It should be noted that the control of static electricity should be seen as a 'whole environment' problem of which provision of conductive flooring is only one component. For example, care should be taken in choice of footwear and fork lift truck wheels to ensure that moving persons and vehicles are not electrically isolated from the floor surface.

SLIP RESISTANCE

Slip resistance will vary depending upon the method and conditions of application, the nature of any polishes used and the standards of housekeeping. Typically the coefficient of friction as measured using the TRRL slip resistance tester and 4s rubber is as follows:

	Dry	Wet
Standard finish	75	-
Slip resistant finish	60	36

CLEANING AND MAINTENANCE

A wet clean with mild organic detergents will help keep the floor clean and bright. Textured and industrial floors are best cleaned with mechanical scrubber dryers. For further information consult separate cleaning and maintenance guidelines.

APPLICATION

ENVIRONMENT

The applicator requires sole access to the floor area throughout the application. The area should be closed to the environment, clean and dust free. Dust from trades in adjacent areas can impair the visual appearance of the finish.

It is prudent to ensure that the floor installation is undertaken as the final operation during refurbishment works to preclude damage by other trades.

For best results, materials, substrate and air temperature should be in the range 15 – 20 °C.

Low temperatures will reduce workability and can impair the visual appearance of the floor.

High temperatures will shorten the open times and can impair the appearance of the floor.

Do not commence work if temperatures are within 3°C of the dew point or if condensation is likely to occur within 48 hours (at 20°C) of application.

SUBSTRATE

Specialist finishes should not be applied to concrete with more than 4% moisture by weight. On new concrete with a high residual moisture content use PRIMER 605, see separate data sheet. A functioning damp proof membrane must be installed under on-grade concrete and known to be effective.

MASTERTOP 1270 AS must be applied to a clean, dry substrate free from dust, dirt, oil, grease and other contaminants. A clean surface will ensure adhesion between substrate and overlay.

Use mechanical methods of surface preparation as dictated by the size of area to be treated, the location and degree of contamination.



The Chemical Company

MASTERTOP® 1270 AS

The substrate should be sound with a tensile strength exceeding 1.5 MPa. Antistatic floors must be applied at a uniform thickness. This may necessitate dubbing out or scratchcoating to achieve the required tolerance. Any repairs to the substrate must be undertaken in good time prior to the application.

EARTH LINKAGE

Earth linkage cable must be provided by the site electrical contractor. Each area of floor should have two earth connections. Earthing cables must be protected from mechanical damage during construction and in service.

JOINTS

Reflect all joints in the substrate accurately through the screed topping, as a bonded screed will crack where there is differential movement in the host concrete.

Care should be taken that movement at joints will not lead to areas of the floor becoming isolated. Fill joints with a suitable sealant.

FREE EDGES

Where necessary use metal edging strips to protect free edges including at abutments to other finishes.

PRIMING

Normally **CONCRETE 2525**, see separate data sheet, is used for cementitious substrates. Very porous and non cementitious substrates may require special primers. Consult your local BASF Construction Chemicals office or specialist applicator for advice.

CONDUCTIVE PRIMER

Install copper tape and connect earth linkage cables to the primed substrate. Apply **MASTERTOP CP 687 W-AS**, see separate data sheet.

BODY COAT

MASTERTOP BC 370 AS, see separate data sheet, is applied by pinrake and trowel maintaining a wet edge throughout.

For a slip resistant finish, broadcast silicon carbide aggregate into the Body Coat. Once cured encapsulate the aggregate with a further coating of **MASTERTOP BC 370 AS**.

PRECAUTIONS

In its cured state, **MASTERTOP 1270 AS** is physiologically non-hazardous.

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.

AMtop1270AS/3/1011

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