

# MasterTop 1273

**Low emission, self-levelling, medium to heavy load bearing epoxy system**

## DESCRIPTION

MasterTop 1273 is a non-solvented, self-levelling system designed to provide protection to concrete floors in medium to heavy duty environments.

## FIELD OF APPLICATION

MasterTop 1273 is used to provide attractive non dusting floors for a wide range of medium to heavy duty industries.

- Production and assembly halls
- Packing halls
- Warehousing and storage
- High technology industrial use
- Engineering and vehicle maintenance
- Automotive and aerospace industries
- Technical areas and plant rooms

A number of finishes are available depending on requirements, including slip resistant and antistatic. Please contact your local office for more information.

## FEATURES AND BENEFITS

Durable economic finish for medium to heavy duty areas

- Excellent maintenance and cleaning properties reduces cleaning costs
- High gloss finish improves light levels and reduces lighting costs
- Slip resistant finish available for areas subject to occasional spillage

## 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	70	-
Slip resistant finish	60	36

## CLEANING AND MAINTENANCE

On smooth floors the use of acrylic polish can provide a degree of shine and help maintain the floor in a pristine condition. A wet clean with mild organic detergents will help keep the floor clean and bright. For further information consult separate cleaning and maintenance guidelines.

## METHOD STATEMENT 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 MasterTop P622 or MasterTop P604, see separate data sheets. A functioning damp proof membrane must be installed under on-grade concrete and known to be effective.

MasterTop 1273 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. It should be noted that surface texture will reflect through a thin coating.

The substrate should be sound with a tensile strength exceeding 1.5MPa. Any repairs to the substrate must be undertaken in good time prior to the application.

## JOINTS

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

Fill joints with a suitable sealant.

## PRIMING

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Prime the substrate with MasterTop P622 or MasterTop P604, see separate data sheets.

## BODY COAT

Apply MasterTop BC 372, filled 1:0.7 with oven dried silica sand, 0.1-0.3mm.

## TOP COAT

If required, optional topcoats are available.

## COVERAGE

400micron coating

Priming: 0.3-0.5kg/m<sup>2</sup>

Bodycoat: 3.5-5.0kg/m<sup>2</sup> (including sand)

Optional Topcoat: 0.10kg/m<sup>2</sup>

Note: coverage rates are for guidance only. Actual usage will vary with the nature of the substrate and site conditions

## HANDLING AND TRANSPORT

Usual preventive measures for the handling of chemical products should be observed when using this product, for example do not eat, smoke or drink while working and wash hands when taking a break or when the job is completed.

Specific safety information referring the handling and transport of this product can be found in the Material Safety Data Sheet. For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

Disposal of product and its container should be carried out according to the local legislation in force. Responsibility for this lies with the final owner of the product.

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## CONTACT DETAILS

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127301	
EN 13813:2002	
Synthetic resin screed material	
Fire behaviour	Bfl-s1
Release of corrosive sub-stances	SR
Water permeability	NPD
Wear resistance	< AR 1
Bond strength	> B 1,5
Impact resistance	> IR 4
Impact sound insulation	NPD
Sound absorption	NPD
Heat insulation	NPD
Chemical resistance	R9, R10
Slip/Skid resistance	NPD
Emissions behaviour	AgBB, AFSSET conform, A+ Classification

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## Health and Safety

\*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

## Solvent Based Products

Use in well ventilated areas; avoid inhaling. Suitable respiratory equipment may be needed, eg when spraying. Can cause skin, eye irritation. Wear protective eye shields and gloves during use. Do not smoke or allow sparks or naked lights when stored or in use.

## Resin Products

Can cause irritation, dermatitis or allergic reaction. Use protective equipment particularly for skin and eyes. Use only in well ventilated areas.

## Spillage

Chemical products can cause damage; clean spillage immediately.

## DISCLAIMER

"Master Builders Solutions UK Ltd" (the Company) endeavours to ensure that advice and information given in Product Data Sheets, Method Statements and Material Safety Data Sheets (all known as Product Literature) is accurate and correct. However, the Company has no control over the selection of its products for particular applications. It is important that any prospective customer, user or specifier, satisfies him/her-self that the product is suitable for the specific application. In this process, due regard should be taken of the nature and composition of the background/base and the ambient conditions both at the time of laying/applying/installing the material and when the completed work is to be brought into use.

Accordingly, no liability will be accepted by the Company for the selection, by others, of a product, which is inappropriate to a particular application.

Products are sold subject to the Company's standard conditions of sale and all customers, users and specifiers, should ensure that they examine the Company's latest Product Literature.