

# MasterTop 1289

## Highly chemical resistant, static crack bridging, self-smoothing epoxy flooring system

### DESCRIPTION

MasterTop 1289 is a self-smoothing epoxy system designed to provide protection to concrete floors with high chemical resistance, excellent mechanical strength and static crack bridging properties.

### FIELD OF APPLICATION

MasterTop 1289 is designed for indoor use as a coating for medium duty industrial floors in areas where ground water contaminating chemicals are produced, handled and stored, as well as for secondary containment applications.

### FEATURES AND BENEFITS

- high resistance to chemicals
- exhibits excellent mechanical strength
- abrasion resistant
- static crack bridging
- good adhesion to non-porous substrates
- easy to clean and maintain
- easy to apply
- extremely resistant to water, sea and waste water, as well as resistant to a variety of alkalis, diluted acids, brine, mineral oils, lubricants and fuels.
- yellowing, when used in UV-exposed areas, does not impair the technical properties of the body coat

### 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. Where a slip resistant finish is required, MasterTop 1289 textured should be used.

### CLEANING AND MAINTENANCE

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, see separate data sheet. A functioning damp proof membrane must be installed under on-grade concrete and known to be effective.

MasterTop 1289 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 construction 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

Prime the substrate with MasterTop P622, see separate data sheet.

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Concrete substrates must be completely sealed, some porous substrates may require double priming.

### BODY COAT

Apply MasterTop BC 389, see separate data sheet, using a pin rake and trowel maintaining a wet edge throughout.

For a textured finish, broadcast MasterTop F5 in to the still-wet bodycoat and allow to cure.

### TOP COAT

If required, apply MasterTop BC 389 can be applied.

### 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.

### CONTACT DETAILS

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Master Builders Solutions UK Ltd 19 Broad Ground Road Lakeside, Redditch Great Britain B98 8YP	
18	
128902	
EN 13813:2002	
Synthetic resin screed for internal use	
Fire behaviour	Efl
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	NPD
Slip/Skid resistance	R9, R10

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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.