

# MasterTop 1327 -16dB and -20dB

## Ergonomic, high comfort, acoustic noise reduction, polyurethane flooring system

### DESCRIPTION

MasterTop 1327 -16dB and MasterTop 1327 -20dB is a fully resin applied, self-smoothing, elastomeric, acoustic sound reducing, high comfort polyurethane flooring system.

MasterTop 1327 -16dB and MasterTop 1327 -20dB are innovative systems that remove the need to use rubber crumb mats to achieve high comfort levels and sound absorption properties in ergonomic resin flooring systems.

It provides a tough and scratch resistant finish with an ergonomically warm, comfortable feel and a high degree of energy absorption.

MasterTop 1327 is a seamless floor without joints or welds even around columns and over large open areas.

### FIELD OF APPLICATION

MasterTop 1327 -16dB and MasterTop 1327 -20dB as used to provide durable hygienic floors with quiet comfort and stylish functionality.

- Schools and nurseries
- Prisons
- Retail and fashion
- Crèche facilities
- Corporate headquarters
- Office, exhibition and show room floors
- Hospital and old people's homes

MasterTop 1327 -16dB and MasterTop 1327 -20dB floors have excellent mechanical properties and offer good abrasion and wear characteristics for dry areas subject to pedestrian traffic.

### FEATURES AND BENEFITS

- Acoustic sound reduction, -16dB or -20dB option
- High comfort ergonomic finish with a warm feel
- Joint free, even around columns and over large areas for maximum aesthetic freedom
- A permanently elastic, wear-resistant surface provides a durable long lasting floor
- High energy absorption capacity reduces the risk of injury resulting from falls in old people homes and nurseries
- Monolithically bonded to the substrate
- Low emissions to AgBB
- LEED certification
- 40 year life cycle costing

### COLOURS

A range of colours are available for further information contact your local Master Builders Solutions UK Ltd office.

### NOISE REDUCTION

Vertical noise reduction:  $\Delta L_w = -16\text{dB}$  and  $-20\text{dB}$   
As measured by CSTB, Paris.

### 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
Smooth floor	85

Light textured glass bead finished floors are available for further information contact your local Master Builders Solutions UK Ltd office.

### CLEANING AND MAINTENANCE

Suitable trap mats should be installed at entrances open to the street. 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.

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## 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 1327 -16dB and MasterTop 1327 -20dB 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 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

MasterTop 1327 -16dB and MasterTop 1327 -20dB are elastic enough to accommodate substrate movement. Such joints being routed out and filled with MasterTop BC325N prior to application of the floor. Structural movement joints however should be continued up through the floor, the joint aris protected with a metal trim and the MasterTop 1327 -16dB and MasterTop 1327 -20dB dressed up to either side.

## FREE EDGES

Use metal edging strips to protect free edges including at abutments to other finishes.

## PRIMING

Prime the substrate with MasterTop P622, see separate datasheet, and broadcast evenly with MasterTop F5 while the primer is still wet and allow to fully cure.

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

## ELASTIC UNDERLAYMENT

MasterTop BC329, see separate data sheet, is applied using pinrake and notched trowel maintaining a wet edge throughout.

## NOISE DAMPENING COAT

For MasterTop 1327 -20dB only, an additional layer of BC375N should be installed at 1.8-2.0 kgm<sup>-2</sup>, see separate data sheet.

## ELASTOMERIC BODY COAT

MasterTop BC325N or BC361N, see separate data sheet, is applied using pinrake and trowel maintaining a wet edge throughout.

## TOP COAT

Apply MasterTop TC417W, see separate data sheet.

Optional coloured flake scatter and clear seal may be applied to produce a variety of aesthetic effects.

## 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	
16	
132706	
EN 13813:2002	
Synthetic resin screed material	
Essential characteristics	Performance
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	Delta L = 10- 16 dB and - 20dB
Sound absorption	NPD
Heat insulation	NPD
Chemical resistance	NPD
Slip/Skid resistance	NPD

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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.