



The Chemical Company

# MASTERTOP<sup>®</sup> 1324

## RESILIENT POLYURETHANE FLOORING SYSTEM

### Description of Product

A 1 - 4 mm thick self smoothing resilient polyurethane flooring system provides a tough scratch resistant floor finish suitable for use on substrates subject to vibration and dynamic forces.

MASTERTOP<sup>®</sup> 1324 is a seamless floor without joints or welds even around columns and over large open areas. Whilst being robust enough for industrial applications, the fully light stable topcoat enables light colours to be used with confidence in bright commercial and retail environments.

### Fields of Application

MASTERTOP<sup>®</sup> 1324 is used to provide bright durable floors for industrial and commercial applications.

- Production and assembly halls
- Pharmaceutical clean rooms
- Retail and fashion
- Warehousing
- Office, exhibition and show room floors
- Hospital and old people's homes
- Technical areas and plantrooms

In wet areas the antislip finish should be used.

### Features and Benefits

- Flexibility enhances impact resistance and accommodates flexure of suspended substrates
- Joint free, even around columns and over large areas for maximum aesthetic freedom
- Can be installed on to old asphalt substrates
- Monolithically bonded to the substrate
- Seamless coving available without seams or welds even at external corners and columns

### Colours

A range of 18 standard colours are available, see separate colour chart. Other colours are available upon request.

### 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	76	-
Slip resistant finish	60	36

### 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.

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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® 1324 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 1.5 MPa. Any repairs to the substrate must be undertaken in good time prior to the application.

Asphaltic substrates must be old and stable, well bonded to the substrate and prepared by captive shot blasting to expose the aggregate.

### **Joints**

MASTERTOP® 1324 is elastic enough to accommodate substrate movement. Such joints being routed out and filled with BODYCOAT 375 prior to application of the floor. Structural movement joints however should be continued up through the floor.

### **Free edges**

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

### **Priming**

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Prime the substrate with PRIMER 601, see separate data sheet, and broadcast evenly with FILLER F5 while the primer is still wet and allow to fully cure.

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

Asphaltic substrates are primed using BODYCOAT 375, see separate data sheet.

### **Body Coat**

BODYCOAT 375, see separate data sheet, is applied using pinrake and trowel maintaining a wet edge throughout.

For a slip resistant finish, broadcast aggregate into the Body Coat. Once cured encapsulate the aggregate with a further coating of BODYCOAT 375.

### **Top Coat**

Apply TOPCOAT 441P, see separate data sheet.

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

### **Warnings and precautions**

In its cured state, MASTERTOP® 1324 is physiologically non-hazardous.

During installation operatives should consult the CoSHH risk assessment and their work instructions.



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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.

### Powder Products

Should be handled to minimise dust formation; use light mask if excessive dust unavoidable. Cement powders when wet or moistened can cause burns to skin and eyes which should be protected during 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:

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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