

MasterTop 1728

Non-solvented, water based epoxy flooring system

DESCRIPTION

MasterTop 1728 is vapour permeable, water based epoxy coating system that cures to a satin finish.

MasterTop 1728 is available in smooth or textured versions.

FIELD OF APPLICATION

The MasterTop 1728 is designed to provide attractive non dusting floor finish for a wide range of light industrial and warehousing applications.

MasterTop 1728 is ideally suited as a non-dusting wearing surface on pumped polymer screeds.

FEATURES AND BENEFITS

- Non-solvented and low odour
- Durable economic finish for light duty areas
- Excellent maintenance and cleaning properties reduces cleaning costs
- Improves light levels and reduces lighting costs
- Slip resistant finish available for areas subject to occasional spillage
- Excellent hiding power
- Vapour permeable for application to damp substrates
- Available in a wide range of colours

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 |
|-----------------|-----|-----|
| Smooth finish | 60 | - |
| Textured finish | 55 | 40 |

CLEANING AND MAINTENANCE

A wet clean with mild organic detergents will help keep the floor clean and bright. Profiled floors are best cleaned with mechanical scrubber dryers. 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

MasterTop 1728 finishes can be applied to concrete with high moistures levels. However, the surface must be visibly dry and free from condensation to ensure sufficient long-term bonding.

MasterTop 1728 must be applied to a clean, visibly dry substrate free from dust, dirt, oil, grease and other contaminates. 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.

For best results MasterTop 1728 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.

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. Fill joints with a suitable sealant.

FREE EDGES

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

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PRIMING

For smooth systems apply MasterTop TC428 at 0.15-0.20kgm⁻², diluted 10% potable water with squeegee and roller.

For textured finishes apply MasterTop TC428 at 0.4-0.6 kgm⁻², diluted 10% with potable water with squeegee and roller. Broadcast evenly with MasterTop F5 at 1.5-2.0kgm⁻²

TOPCOAT

For smooth systems apply MasterTop TC428 at 0.20-0.25kgm⁻², with squeegee and roller.

For textured finishes apply MasterTop TC428 at 0.4-0.6 kgm⁻², with squeegee and roller to consolidate the aggregate.

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 | |
| 172802 | |
| EN 13813: 2002 EN 1504-2:2004 | |
| Surface protection products - coatings Synthetic resin screed for internal use | |
| Linear shrinkage | NPD |
| Compressive strength | NPD |
| Abrasion resistance | ≤ 3000 mg |
| Permeability to CO ₂ | NPD |
| Permeability to water vapour | Class I |
| Capillary absorption and permeability to water | < 0.1 kg/(m ² xh ^{0,5}) |
| Thermal compatibility | ≥ 2.0 N/mm ² |
| Resistance to severe chemical attack | NPD |
| Impact resistance | Class I >IR4 |
| Adhesion strength by pull-off test | ≥ 2.0 N/mm ² |
| Reaction to fire | B _f -s1 |
| Release of corrosive substances | SR |
| Wear Resistance | < AR 1 |

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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.