

# MasterTop 1882

## Polyaspartic resin based, fast curing, decorative coloured flake or quartz flooring system

### DESCRIPTION

MasterTop 1882 is an attractive coloured flake or quartz screed system available in a range of colour blends.

MasterTop 1882 consists of factory blended coloured flake or quartz aggregates encapsulated in a clear polyaspartic resin giving an attractive lightly textured floor.

MasterTop 1882 utilises unique fast curing polyaspartic resin chemistry to allow for fast installation times with as little as 1.5 hours curing time between application coats.

MasterTop 1882 exhibits excellent wear and cleanability due to the unique high performance polyaspartic resin.

### FIELD OF APPLICATION

The MasterTop 1882 Flooring System is designed for use wherever an attractive slip resistant floor finish is required. It is suitable for use where light to medium industrial traffic is to be encountered

- Assembly and manufacturing areas.
- Amenity areas
- Changing rooms
- Pharmaceutical
- Retail
- Educational
- Leisure industries
- Stadia

MasterTop 1882 floors have excellent mechanical properties and offer good scratch and wear resistance characteristics.

### FEATURES AND BENEFITS

- Decorative slip resistant finish enhances the environment
- Seamless, closed and dust free surface facilitates cleaning and the maintenance of hygiene standards
- High mechanical strength impact and scratch resistance for durability
- Fast curing polyaspartic resins for reduced installation times
- Excellent cleanability and low maintenance

### 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 quartz finish	60	40
Standard flake 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

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 1882 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.

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The substrate should be sound with a tensile strength exceeding 1.5MPa.

For best results MasterTop 1882 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.

### PRIMING

Normally MasterTop P660, see separate data sheet, is used for cementitious substrates. Where very short turn around is required MasterSeal TC682 may be used. Very porous and non cementitious substrates may require special primers. Consult your local Master Builders Solutions UK Ltd office or specialist applicator for advice.

### BODY COAT

MasterSeal TC681, see separate datasheet, is applied and fully blinded with 0.4-0.8mm, 0.7-1.2mm kiln dried or coloured quarts or PVA flake.

### TOP COAT

Apply MasterSeal TC681, or MasterSeal TC682 to coloured broadcasts, see separate data sheet, to encapsulate the aggregate but leave the required slip resistant profile.

### 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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EN 1504-2:2004	
Surface protection material - coatings	
Linear shrinkage	NPD
Compressive strength	NPD
Abrasion resistance	≤ 3000 mg
Permeability to CO <sub>2</sub>	Sd > 50
Permability to water vapour	Class II
Capillary absorption and permeability to water	< 0.1 kg/(m <sup>2</sup> xh <sup>0.5</sup> )
Thermal compatibility after freeze-thaw cycling	≥ 2.0 N/mm <sup>2</sup>
Resistance to severe chemical attack	Reduction of hardness < 50 %
Impact resistance	Class III
Adhesion strength by pull-off test	≥ 2.0 N/mm <sup>2</sup>
Reaction to fire	B <sub>fl</sub> -s1
Skid resistance	Class III

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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.