

# MasterSeal<sup>®</sup> Traffic 2000 HD

Heavy Duty Wear Resistant Crack-bridging Waterproofing system for Trafficable Decks

## DESCRIPTION

**Master Traffic 2000 HD** is a liquid applied, crack bridging traffic deck waterproofing system based on advanced polymeric materials. It consists of a primer, a hand applied elastomeric polyurethane/Polyurea hybrid waterproofing membrane, a polyurethane based wear coat and top coat. The seamless coating has an attractive, skid resistant, UV and weather resistant finish which is easy to clean and maintain. It is resistant to petrol, diesel oil, battery acid, de-icing salts and alkaline cleaners.

## RECOMMENDED USES

**Master Traffic 2000 HD** is intended for use on exposed decks and ramps where maximum crack bridging and wear resistance are required.

**Master Traffic 2000 HD** is also used on intermediate decks underneath where are offices, sales rooms, storerooms etc.

## FEATURES AND BENEFITS

- **Fast return to service** – Trafficable after 48 hours of system installation with selected topcoat
- **Crack bridging** - Copes with existing and newly formed cracks
- **Easy application** – Simple Roller application without any special equipment
- **Monolithic** - No welds laps or seams
- **Separate wear coat** - Excellent wear resistance & long term protection of water proofing membrane
- **Skid resistant** – Profile can be altered to suit needs
- **UV and weather resistant** – Suitable for external application
- **Chemical Resistant** - Performance not affected due to spillage of fuels, battery acid, alkaline cleaners
- **Low dirt retention and colors available** – Aesthetic, easy to clean and maintain

## SYSTEM BUILD UP

**Master Traffic 2000 HD** is multi-layered system and is composed of

1. Primer
2. Optional Adhesion Promoter
3. Membrane
4. Wear coat
5. Topcoat

### Primer:

**MasterSeal P 2525 / MasterSeal P 658 / MasterEmaco P 2525 / MasterTop P 622**

Two component, solvent free, epoxy primer which provide good penetration to concrete substrate.

### Adhesion Promoter

**MasterSeal P 691** Single component, Solvented, Clear, Moisture curing Polyurethane based adhesion promoter for epoxy primed areas (*Optional to obtain superior adhesion in high traffic areas*)

### Membrane:

**MasterSeal M 860** Hand applied, solvent free, two-component self-levelling polyurethane/polyurea based elastomeric membrane for horizontal surfaces

**MasterSeal M 861** Hand applied, solvent free, two-component thixotropic polyurethane/polyurea based elastomeric membrane for sloped surfaces like Ramps etc

### Wear Coat:

**MasterSeal M 880/ MasterSeal M 881** are wear coat for use in car park deck waterproofing system, they are solvent free, 2- component polyurethane and slightly thixotropic so that can be applied to ramps without the on-site addition of a thixotropic as well as to horizontal surface.

**MasterSeal M 880** is fast setting comparing to **MasterSeal M 881**

### Topcoat:

**MasterSeal TC 258** Low solvent, pigmented, single component, moisture curing, UV and weather resistant, protective topcoat

**MasterSeal TC 268** Low viscosity, Pigmented, Elastic, two component UV stable topcoat (only one layer, can't be recoated)

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Please refer to the individual technical datasheets of the components for other details.

The consumption rates for the individual components are as given in Table 1: System Build up

## APPLICATION

For detailed, product specific application instructions, see individual product technical data sheets.

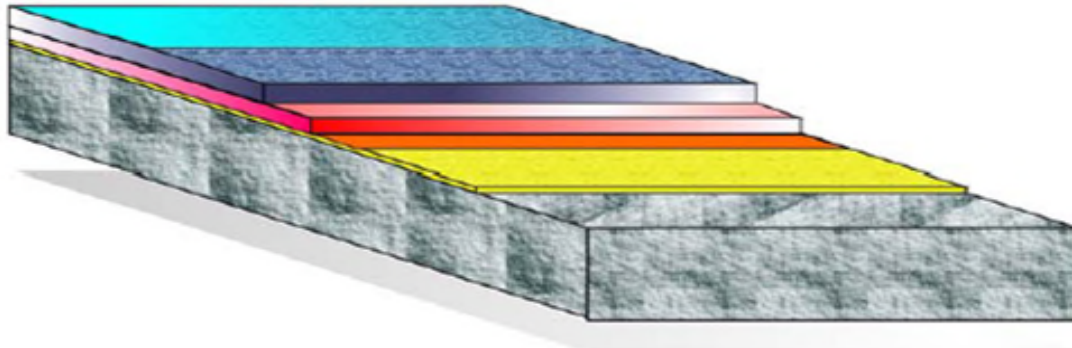
## MAINTENANCE

Regular cleaning and maintenance will prolong the life of all resin coatings, enhance the appearance and reduce the tendency to pick up dirt. Specialized floor cleaning equipment and chemicals are available, and the suppliers are able to offer advice on appropriate cleaning regimes






## PRECAUTIONS

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the Master Builders Solutions Material Safety Data Sheet (MSDS) from our office or our website.

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**Table 1: System Build up**

For Concrete Substrates			Consumption
	Primer	MasterSeal P 2525 or MasterSeal P 658 or MasterEmaco P 2525 or MasterTop P 622	0.3 – 0.5kg/m <sup>2</sup>
	Broadcast Adhesion Promoter*	Oven dried silica sand, size 0.3 - 0.8mm MasterSeal P 691	0.8 – 1.0kg/m <sup>2</sup> 0.05 – 0.1kg/m <sup>2</sup>
	Membrane - Horizontal Alternate - Ramps	MasterSeal M 860 MasterSeal M 861	2.0 – 2.5 kg/m <sup>2</sup> 1.7 – 2.1 kg/m <sup>2</sup>
	Wear Coat	MasterSeal M 880/ M 881	0.5 – 0.7kg/m <sup>2</sup> Up to 1.6 kg/m <sup>2</sup> for ramp**
	Broadcast	Oven dried silica sand, size 0.3 - 0.8mm	1.2 – 1.8 kg/m <sup>2</sup> Up to 4.0 kg/m <sup>2</sup> for ramp**
	Top Coat Alternate	MasterSeal TC 268 MasterSeal TC 258	0.45 – 0.7kg/m <sup>2</sup> 0.5 – 0.8kg/m <sup>2</sup>
<b>Total Thickness of System</b>			<b>3.5 – 4.0 mm</b> <b>Up to 5.0 – 5.5 mm</b>

\*Over epoxy primers only

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**STATEMENT OF RESPONSIBILITY**

The technical information and application advice given in this Master Builders Solutions publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability, or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

**NOTE**

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builders Solutions either orally or in writing may be followed, modified, or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

**MB Solutions Singapore Pte Ltd**  
 1 Harbourfront Avenue #07-07/08  
 Keppel Bay Tower, Singapore 098632  
 Tel : +65 6232 4886

[www.master-builders-solutions.com/en-asiapacific](http://www.master-builders-solutions.com/en-asiapacific)