

# MasterSeal<sup>®</sup> Traffic 1332

Polyurethane, waterproofing and protective traffic-deck coating system

## DESCRIPTION

**MasterSeal Traffic 1332** is a UV stable polyurethane based multi-layered car park decking system for exposed and intermediate traffic decks where crack bridging and waterproofing properties are required.

**MasterSeal Traffic 1332** has been tested for crack bridging in accordance with ASTM C836.

- **MasterTop P 650** - Is a high grade, low-viscosity, two-component epoxy resin primer and substrate sealer.
- **MasterTop SR 3** - A graded, high purity quartz aggregate with a particle size in the range 0.3–0.9mm. Used as a multi action: mechanical key, wear enhancer and to provide skid resistance, it's use is the means by which thickness is attained with economy for the various wearing conditions such as: in traffic lanes, ramps and turning areas.
- **MasterSeal M 866** – Is a two component solvent free polyurethane membrane suitable for use in trafficked coating systems that require crack bridging capability. When used in car park decking systems it will bridge dynamic cracks.
- **MasterSeal TC 240** - Is a single component polyurethane coating designed for application as an intermediate coat in the **MasterSeal** traffic deck systems
- **MasterSeal TC 258** - Is a single component polyurethane coating designed for application as a topcoat on traffic deck systems. It provides a UV-resistant, hard-elastic surface resistant to general and vehicle related chemical spillage and abrasion.
- **MasterTop TC 444** – A tough, surface applied pigmented line marking coating.

## PRIMARY USES

- Car park decks (exposed and intermediate)
- Ramps
- Heavy duty turning areas

## PACKAGING

<b>MasterTop P 650</b>	- 15kg
<b>MasterTop SR 3</b>	- 25kg
<b>MasterSeal M 866</b>	- 30kg
<b>MasterSeal TC 240</b>	- 25kg
<b>MasterSeal TC 258</b>	- 24kg
<b>MasterTop TC 444</b>	- 18 litres

## COVERAGE

<b>MasterTop P 650</b>	0.15-0.30kg/m <sup>2</sup> depending on surface texture and porosity.
<b>MasterTop SR 3</b>	Total coverage from 1.6kg/m <sup>2</sup>
<b>MasterSeal M 866</b>	from 0.5kg/m <sup>2</sup> per coat
<b>MasterSeal TC 240</b>	from 0.35kg/m <sup>2</sup> per coat
<b>MasterSeal TC 258</b>	from 0.4kg/m <sup>2</sup> per coat
<b>NB : Please ref to Master Builders Solutions CC UAE LLC Method Statements</b>	

## STANDARDS

Complies to ASTM C957 : 1993 when tested in accordance with:

ASTM C501 : 1990  
 ASTM C794 : 1993

Tested for crack bridging in accordance with; ASTM C836.

Tested for Slip Resistance in accordance with: BS 7976-2:2002

Tested for Abrasion Resistance in accordance with: ASTM C501.

Tested for Fire Resistance in accordance with; Swiss Fire Class, Fume Class 1 Resistance to flying fire and heat radiation (DIN 4102-B2).

## GUIDE TO APPLICATION

### APPLICATION TEMPERATURE:

The quality of the final coating is dependent on the substrate and the material temperatures, we recommend a substrate temperature of min. +12°C and max. +35°C.

# MasterSeal® Traffic 1332

## SURFACE PREPARATION AND PRIMING

The surface to be coated must be clean, dry free of laitance, oil, grease or any substance that may impair adhesion.

The preferred methods of surface preparation are captive blasting, surface grinding or similar.

Weak or damaged concrete must be removed, and replaced with a suitable repair compound from the **MasterEmaco** or **MasterProtect** range of products. Surface defects should be repaired using **MasterTop 2200** or other suitable repair compounds from the **MasterProtect** or **MasterEmaco** range.

## PRIMING

Mix and apply **MasterTop P 650** surface conditioner to the prepared dust free surface at approximately 0.15-0.30kg/m<sup>2</sup>. Into the wet primer, scatter 0.6kg/m<sup>2</sup> **MasterTop SR 3**.

## MIXING AND APPLICATION

### Mixing for MasterSeal M 866:

Mix the A and B components of the **MasterSeal M 866** together using a slow speed (400 rpm) drill with a spiral mixing head. Work the mixer round the mixing pail to ensure it scrapes the side and bottom of the pail. Pour mixed material into a clean pail and mix for a further 30 seconds.

Pour the mixed material onto the floor and spread at the required coverage (minimum 0.5kg/m<sup>2</sup>) using pin screed or trowel.

Into the wet **MasterSeal M 866**, broadcast aggregate **MasterTop SR 3** to excess (from 1.0kg/m<sup>2</sup>).

Allow to cure for 24 hours at 25°C.

Remove excess aggregate by sweeping or vacuuming.

## INTERMEDIATE COAT

Apply **MasterSeal TC 240** at a minimum of 0.35kg/m<sup>2</sup> per coat (one coat required)

Or

Apply **MasterSeal TC 258** at a minimum of 0.4kg/m<sup>2</sup> per coat.

An additional intermediate coat is required for ramps and turning areas applied at the rate of 0.4kg/m<sup>2</sup> (1 coat)

## TOPCOAT

Apply **MasterSeal TC 258** at a rate of 0.4kg/m<sup>2</sup> (1 coat).

**NB Refer to the method statement for further details.**

- a. Driving lanes and parking bays
- b. Turning areas and ramps

## CHEMICAL RESISTANCE

Contact the Master Builders Solutions Technical Department

## STORAGE

Store under cover out of direct sunlight and protect from extremes of temperature.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult Master Builders Solutions 's Technical Services Department.

## SAFETY PRECAUTIONS

For further information, a material safety data sheet is available to the specialist applicator.\

# MasterSeal<sup>®</sup> Traffic 1332

## NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local Master Builders Solutions representative.

Master Builders Solutions reserves the right to have the true cause of any difficulty determined by accepted test methods

## QUALITY AND CARE

All products originating from Master Builders Solutions's Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 standards.

\* Properties listed are based on laboratory controlled tests.

® Registered trademark of a MBCC Group member in many countries of the world

Master\_Builders\_Solutions\_CC-UAE/SI\_1332\_01\_99/v2/02\_14

### 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.

### Master Builders Solutions Construction Chemicals UAE LLC

P.O. Box 37127, Dubai, UAE

Tel: +971 4 8090800 Fax: +971 4 8851002

www.master-builders-solutions.ae

