

# MasterSeal Traffic 1330

## Polyurethane, protective traffic-deck coating system

### MATERIAL DESCRIPTION

**MasterSeal Traffic 1330** is a UV stable, multi-layered, durable, polyurethane deck coating system providing a seamless and protective, wear resistant, profiled surface.

**MasterSeal Traffic 1330** is pigmented, allowing improved aesthetics and the demarcation of pedestrian and traffic areas, for safety and improved traffic flow.

**MasterSeal Traffic 1330** has been tested for crack bridging in accordance with ASTM C836.

**MasterSeal Traffic 1330** may consist of the following Master Builders Solutions products:

- **MasterTop 1200** - 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 TC 256** - 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.

### PRIMARY USES

**MasterSeal Traffic 1330** may be specified as a protective trafficable wear resistant membrane for a variety of applications including:

- Intermediate decks
- Ramps
- Plant rooms

**MasterSeal Traffic 1330** may be applied at varying thicknesses dependant upon quantity and rate of traffic – please refer to Master Builders Solutions Technical department for project specific coverages.

### PACKAGING

|                   |   |         |
|-------------------|---|---------|
| MasterTop 1200    | - | 12.4 kg |
| MasterTop SR 3    | - | 25 kg   |
| MasterSeal TC 256 | - | 30 kg   |

### COVERAGE

|  |  |
|--|--|
| MasterTop 1200   | 0.15-0.30kg/m <sup>2</sup> depending on surface texture and porosity.            |
| MasterTop SR 3   | 0.6kg-2.0kg dependent on application   |
| MasterSeal TC 256  | 0.4kg/m <sup>2</sup> per coat (anti-slip) 0.3kg/m <sup>2</sup> per coat (smooth) |
| NB: Please ref to MB Construction Chemicals Solutions South Africa (Pty) Ltd Method Statements |  |

### STANDARDS

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

- ASTM C501: 1990
- ASTM C794: 1993
- Tensile test to ASTM D412 after exposure in accordance with: ASTM G53, ASTM B117.
- 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

#### 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 MasterBrace range of products.

Surface defects should be repaired using **MasterBrace ADH 2200** or other suitable repair compounds from the MasterEmaco range.

# MasterSeal Traffic 1330

## Polyurethane, protective traffic-deck coating system

### Priming:

Mix and apply **MasterTop 1200** surface conditioner to the prepared dust free surface at approximately 0.15-0.30kg/m<sup>2</sup>. Into the wet primer, scatter 0.6-2.0kg/m<sup>2</sup> **MasterTop SR 3**.

Note: If a smooth surface finish is required, omit the aggregate scatter. Allow to cure.

### Application Intermediate Coat:

**MasterSeal TC 256** should be stirred before use to ensure uniformity of colour.

Apply by roller or airless spray to the primed tack free surface.

Apply at a minimum rate of 0.35-0.4kg/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).

NB Please refer to Master Builders Solutions Method Statements or Technical Department for project specific coverages.

- a. Smooth pedestrian coating
- b. Driving lanes and parking bays
- c. Turning areas and ramps

Do not apply when the humidity exceeds 90%. Ensure that the substrate temperature is 3°C higher than the dew point.

### Application Topcoat:

**MasterSeal TC 256** should be stirred before use to ensure uniformity of colour.

Apply by roller or airless spray to the tack free coated surface.

Apply at the rate of 0.3-0.4kg/m<sup>2</sup> (in 1 coat) with a minimum of 0.4kg/m<sup>2</sup> for vehicular traffic and 0.3kg/m<sup>2</sup> for pedestrian traffic **MasterSeal TC 256** can be applied as a smooth coat, or as a multi coat sandwich system incorporating aggregates to give a slip resistant finish. When applying as a topcoat or part of a multi coat system, do not exceed the maximum overcoating times of the previous coating.

NB Please refer to Master Builders Solutions Method Statements or Master Builders Solutions Technical Department for project specific coverages:

- a. Smooth pedestrian coating
- b. Driving lanes and parking bays
- c. Turning areas and ramps

Do not apply when the humidity exceeds 90%. Ensure that the substrate temperature is 3°C higher than the dew point.

### CHEMICAL RESISTANCE

**MasterSeal TC 256** is resistant to acids and alkalis of medium concentrations, mineral oil products and solvents. Contact your local Master Builders Solutions office for specific details.

### SAFETY PRECAUTIONS

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

# MasterSeal Traffic 1330

## Polyurethane, protective traffic-deck coating system

### 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' Technical Services Department.

### NOTE

Technical support, where provided, does not constitute supervisory responsibility. For additional information contact your local MB Construction Chemicals Solutions South Africa (Pty) Ltd representative. MB Construction Chemicals Solutions South Africa (Pty) Ltd shall not be liable for technical advice provided.

MB Construction Chemicals Solutions South Africa (Pty) Ltd reserves the right to have the true cause of any difficulty determined by accepted test methods. Undertaking such tests is not, and shall not be deemed to be, an admission of liability or an assumption of any risk, loss, damage or liability.

### QUALITY AND RESPONSIBLE CARE

All products originating from MB Construction Chemicals Solutions South Africa (Pty) Ltd are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001, environmental and occupational health and safety standards.

\* Properties listed are based on laboratory controlled tests.

### DISCLAIMER

The technical information and application advice given in this MB Construction Chemicals Solutions South Africa (Pty) Ltd 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.