

MasterSeal[®] Traffic 1330

Polyurethane, protective traffic-deck coating system

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 UAE products -

- **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 TC 240** - Is a single component polyurethane coating designed for application as an intermediate coat in the MasterTop traffic deck systems or as an integral membrane.
- **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

- **MasterSeal Traffic 1330** may be specified as a protective trafficable wear resistant membrane for a variety of applications including:-
- Car park decks
- Trafficable flat roofs Traffic ramps
- Plant rooms
- Sports stadia and grandstand waterproofing coatings
- Balconies
- Protection of concrete from the damaging effects of salt water, chemicals, fuel and oil spillage.

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 P 650	- 15kg
MasterTop SR 3	- 25kg
MasterSeal TC 258	- 24kg
MasterSeal TC 240	- 25kg
MasterTop TC 444	- 18 litres

COVERAGE

MasterTop P 650	0.15-0.30kg/m ² depending on surface texture and porosity.
MasterTop SR 3	0.6kg-2.0kg dependent on application
MasterSeal TC 240	From 0.35kg/m ² per coat
MasterSeal TC 258	0.4kg/m ² per coat (anti-slip) 0.3kg/m ² per coat (smooth)
NB: Please ref to Master Builders Solutions CC UAE LLC Method Statements	

MasterSeal® Traffic 1330

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).

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 method of surface preparation are captive blasting, surface grinding or similar.

Weak or damaged concrete must be removed, then replaced with a suitable repair compound from the **MasterEmaco** or **MasterBrace** range of products.

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

PRIMING

Mix and apply **MasterTop P 650** surface conditioner to the prepared dust free surface at approximately 0.15-0.30kg/m². Into the wet primer, scatter 0.6-2.0kg/m² **MasterTop SR 3**.

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

APPLICATION INTERMEDIATE COAT

MasterSeal TC 240 or **MasterSeal TC 258** 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/m² per coat.

An additional intermediate coat is required for ramps and turning areas applied at the rate of 0.4kg/m² (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.

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APPLICATION TOP COAT

MasterSeal TC 258 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/m² (in 1 coat) with a minimum of 0.4kg/m² for vehicular traffic and 0.3kg/m² for pedestrian traffic. **MasterSeal TC 258** 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 top coat 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 258 is resistant to acids and alkalis of medium concentrations, mineral oil products and solvents. Contact your local Master Builders Solutions office for specific details.

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.

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.

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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.

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