

MasterSeal[®] TC 240

Single component polyurethane protective traffic coating

DESCRIPTION

MasterSeal TC 240 is a single component elastomeric pigmented polyurethane coating designed for application in trafficked areas. It provides a pigmented, hard-elastic surface resistant to chemicals and abrasion.

MasterSeal TC 240 may be used as an intermediate coating layer in **MasterSeal** polyurethane Traffic Deck coating systems.

PRIMARY USES

The high abrasion resistance of **MasterSeal TC 240** combined with its elasticity makes it suitable for use on car park decks.

ADVANTAGES

- Excellent impact and abrasion resistance
- Elastomeric
- Weather resistant
- Fire retardant
- Good chemical and oil resistance

PACKAGING AND COLORS

MasterSeal TC 240 is available in 25kg units.

The Master Builders Solutions standard colours for **MasterSeal TC 240** are:

Basalt Grey, Black Grey, May Green and Oxide Red

(Further colours are available on request).

TYPICAL PROPERTIES*

Cured at 7 days @20°C	
Density	1.48 g/cm ³
Viscosity at 23°C, 50 s ⁻¹	800 MPas
Solids content	83%
Open time at 23°C	45 min.
Open to foot traffic at 23°C / 50% r.h	4 hours
Open to vehicular traffic at 23°C / 50% r.h	16 hours
Tensile strength ASTM D412	18 N/mm ²
Elongation ASTM D412	45%
Tear strength	45 N/mm ²
Abrasion Resistance ASTM C957 / ASTM C501	44mg

APPLICATION GUIDELINES

SURFACE PREPARATION

Remove laitance, weak or friable concrete and all contaminants that could affect the bond to the substrate.

Suitable preparation includes light grit blasting, surface grinding etc. 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 651** surface conditioner to the prepared dust free surface at approximately 0.3-0.35kg/m². Into the wet primer, scatter a 0.5-1.0kg/m² **MasterTop SR 3**.

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

Allow to cure.

Note: For more dense, less porous substrates, use **MasterTop P 650** primer - please contact the Master Builders Solutions Technical Services Department for further clarifications regarding primer choice.

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**.

PLACING / APPLICATION

MasterSeal TC 240 should be stirred before use to ensure uniformity of colour.

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

Apply at the rate of 0.5–0.9kg / m² (total) in 2-3 coats. **MasterSeal TC 240** can be applied as a single intermediate 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.

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

If a maintenance coat has to be applied, thoroughly wash the existing **MasterSeal TC 240**. Allow to dry, then immediately prior to overcoating, wipe the surface with a cloth dampened with a suitable thinner (Xylene / MEK / Acetone).

CHEMICAL RESISTANCE

MasterSeal TC 240 is resistant to acids and alkalis of medium concentrations, mineral oil products and solvents. Contact your local Master Builders Solutions office for specific details.

COVERAGE / YIELD

0.35kg/m² per coat. At a consumption of 0.50kg/m² or higher, the **MasterSeal TC 240** will perform as an integral membrane. Please refer to Master Builders Solutions Method Statements for project specific coverages.

STORAGE AND SHELF LIFE

The shelf life is 6 months in unopened drums in cool and dry conditions.

Once a drum has been opened, its contents should, if possible, be used up completely since surface skinning will form on any remaining quantities.

HEALTH AND SAFETY

Avoid any inhalation of vapour and contact with skin.

Wear protective gloves and protective goggles.

In case of skin contact, rinse immediately with soap and water!

In case of eye contact, bathe eyes with water at once, then consult a doctor.

Do not eat, do not smoke and do not use an open flame when handling the product.

Observe the guidelines issued by the Employer's Liability Insurance Associations.

QUALITY AND CARE

All products originating from Master Builders Solutions 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 and ISO 14001.

* 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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