

MasterSeal® TC 242

Solvent free, two component aromatic polyurethane coating with glossy finish for traffic deck applications

DESCRIPTION

MasterSeal TC 242 is a two-component elastomeric, pigmented, polyurethane (PU) coating designed for application in trafficked areas.

MasterSeal TC 242 aesthetically enhances parking garages thanks to its pigmented, glossy and bright finish, minimum dirt pick-up and ease of cleaning. Its hard-elastic surface reduces slippage and the squeaking noise from tires. When combined with its excellent chemical and abrasion resistance, **MasterSeal TC 242** is the ideal coating for car park decks.

PRIMARY USES

MasterSeal TC 242 is used as part of the **MasterSeal Traffic** polyurethane deck coating systems. On intermediate car park decks **MasterSeal TC 242** may be used as a top coat in the **MasterSeal Traffic 1331** system.

On exposed decks, where UV resistance is required, **MasterSeal TC 242** is used as an intermediate coating layer topped with a UV resistant top coat as part of the following systems: **MasterSeal Traffic 1330**, **MasterSeal Traffic 1332** and **MasterSeal Traffic 1342**.

ADVANTAGES

- Excellent impact and abrasion resistance
- Glossy finish aesthetically enhancing car park
- Elastomeric
- Good chemical and oil resistance
- Minimum dirt pick-up and no tire mark retention
- Ease of cleaning
- Reduced noise due to tire movement
- Long service life
- Profiled finish for slip resistance

PACKAGING AND COLORS

MasterSeal TC 242 is available in 25kg units.

The Master Builders Solutions standard colors for **MasterSeal TC 242** are:

Basalt Grey, Traffic Grey, Light Grey, Reseda Green and Oxide Red

TYPICAL PROPERTIES*

Cured at 7 days @25°C	
Density:	1.5 g/cm ³
Solids content:	Solvent Free
Pot Life at 25°C*:	<25 mins.
Tack free time at 25°C / 50% rh:	4 hours
Max. overcoating time:	48 hours
Open to foot traffic at 25°C / 50% rh:	1 day
Open to vehicular traffic at 25°C / 50% rh:	3 days
Fully cured after:	7 days
Tensile strength:	>10 N/mm ²
Tear strength:	> 40 N/mm ²
Taber Abrasion ASTM C 957:	<0.1 g
Crack bridging ASTM C1305 (mod.)	Pass

*Pot life will decrease with increased temperature

APPLICATION GUIDELINES

For full application requirements please refer to relevant method statement.

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

MasterSeal TC 242 requires priming. Based on the project requirements, the following primers shall be used:

Epoxy Primer for dense, non-porous substrates:

MasterSeal P 650

Epoxy Primer for porous substrates:

MasterSeal P 651

PU primer for porous and non-porous substrates:

MasterSeal P 243

MasterSeal® TC 242

PLACING / APPLICATION

Mix the Part A and Part B components of the **MasterSeal TC 242** 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 the part mixed material into a clean pail and remix for a further 30 seconds. Apply by roller or squeegee to the primed tack free surface.

Apply at a minimum rate of 0.65kg/m² (please refer to relevant method statement for exact coverage rates). **MasterSeal TC 242** 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.

If a maintenance coat has to be applied, thoroughly wash the existing **MasterSeal TC 242**. Allow to dry, then immediately prior to overcoating, wipe the surface with a cloth dampened with a suitable solvent such as xylene or MEK.

CHEMICAL RESISTANCE

MasterSeal TC 242 is resistant to acids and alkalis of medium concentrations, mineral oil products and solvents. Contact your local Master Builders Solutions representative for specific details.

COVERAGE / YIELD

From 0.65kg/m² per coat. Please refer to relevant method statement for build-up and coverage rates.

WATCHPOINTS

Do not apply when the humidity exceeds 80%. Ensure that the substrate temperature is between 15-35°C and 3°C higher than the dew point.

STORAGE AND SHELF LIFE

The un-opened pails have a shelf life of six months when stored in its original packaging, under dry conditions, away from direct sunlight and at temperatures below 30°C.

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.

For further information refer to the material safety data sheet.

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

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