

MasterSeal[®] TC 242

Solvent free, two component aromatic polyurethane coating for traffic decking applications

DESCRIPTION

MasterSeal TC 242 is a two 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 242 may be used as a top coat for internally applied **MasterSeal** polyurethane traffic decking applications or as an intermediate coating layer in externally applied **MasterSeal** polyurethane traffic deck coating systems.

PRIMARY USES

The high abrasion resistance of **MasterSeal TC 242** combined with its elasticity makes it suitable for use on car park decks.

ADVANTAGES

- Excellent impact and abrasion resistance
- Elastomeric
- Good chemical and oil resistance

COLOURS

The BASF standard colours for **MasterSeal TC 242** are:
Basalt Grey, Traffic Grey, Light Grey, Reseda Green and Oxide Red

PACKAGING

MasterSeal TC 242 is available in 25kg units.

COVERAGE

From 0.35kg/m². Please refer to relevant method statement for buildup and exact coverage rates

TYPICAL PROPERTIES*

| Cured at 7 days @25°C | |
|---|------------------------|
| Density: | 1.5 g/cm ³ |
| Solids content: | Solvent Free |
| Pot Life at 23°C: | 45 min. |
| Open to foot traffic at 25°C / 50% rh: | 1 day |
| Open to vehicular traffic at 25°C / 50% rh: | 3 days |
| Tensile strength: | >10 N/mm ² |
| Elongation (ASTM D638): | > 50% |
| Tear strength: | > 40 N/mm ² |
| Taber Abrasion ASTM C 957: | <50mg |

GUIDE TO APPLICATION

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

Please refer to relevant method statement.

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APPLICATION

Mix the A and 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 0.35kg/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.

Do not apply when the humidity exceeds 80%. 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 242**. Allow to dry, then immediately prior to overcoating, wipe the surface with a cloth dampened with **MasterTop THN 2**.

CHEMICAL RESISTANCE

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

SHELF LIFE AND STORAGE

The un-opened pails have a shelf life of six months when stored in cool and dry conditions

SAFETY PRECAUTIONS

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.

NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local MBCC representative. MBCC reserves the right to have the true cause of any difficulty determined by accepted test methods.

QUALITY AND CARE

All products originating from MBCC'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, ISO 14001 and OHSAS 18001.

* Properties listed are based on laboratory controlled tests.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this MBCC 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 MBCC either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not MBCC, are responsible for carrying out procedures appropriate to a specific application.

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