

MasterSeal TC 242

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

MATERIAL 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 topcoat 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.

PACKAGING

MasterSeal TC 242 is available in 25kg units.

ADVANTAGES

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

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

COVERAGE

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

COLOURS

Basalt Grey, Other Colours available on request.

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 **MasterBrace ADH 2200** or other suitable repair compounds from the MasterBrace or MasterEmaco range.

Priming:

Please refer to relevant method statement.

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 topcoat 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.

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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 office for specific details.

SHELF LIFE AND STORAGE

The un-opened pails have a shelf life of 6 months from date of manufacture 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

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.

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