

MasterSeal® TC 257

Two component polyurethane UV-resistant protective traffic coating

DESCRIPTION

MasterSeal TC 257 is a two-component hard-wearing pigmented aliphatic polyurethane coating designed for application in heavily trafficked areas. It provides a UV-resistant, hard-elastic surface resistant to chemicals and abrasion.

TYPICAL APPLICATIONS

The high abrasion resistance of

MasterSeal TC 257 combined with its elasticity makes it suitable for use in car parks both indoors and out.

MasterSeal TC 257 may be used in the following applications:

NB This gives examples only and does not constitute a full and comprehensive list. For further information on application possibilities contact Master Builders Solutions Construction Chemicals UAE LLC.

- Pedestrian walk ways
- Light engineering workshops
- Car parks.
- Vehicle ramps and Traffic aisles

ADVANTAGES

- Excellent impact and abrasion resistance
- Tough
- UV & weather resistant
- Good chemical and oil resistance

PACKAGING AND COLORS

MasterSeal TC 257 is available in 22.5 kg (18 L) units.

The standard colors are:

Basalt Grey, Black Grey, May Green, Oxide Red, Brilliant Blue, Light Grey, Traffic Grey, Reseda Green

(Further colors are available on request).

TYPICAL PROPERTIES* @ 25°C

Mixed density	1.25 g/cm ³
Pot life ASTM D2471	60 min
Tack free time	approx. 2 h
Foot traffic (initial cure)	48 h
Application temperature	10°C to 35°C
Tensile strength ASTM D412	>12 N/mm ²
Elongation ASTM D412	>30%
Tear resistance ASTM D1004	40 kN/m
Abrasion resistance ASTM C957	50 mg
Pull off bond strength on concrete ASTM D4541	>2 mPa

APPLICATION GUIDELINES

MasterTop P 650 primer has to be applied on concrete substrate prior to application of **MasterSeal TC 257**. With the addition of **MasterTop SR 2** or **MasterTop SR 3** (slip resistant aggregates) between coats, anti-slip resistant applications can be achieved.

MasterSeal TC 257 should be stirred before use to ensure uniformity of color.
Apply by roller or squeegee.

Apply a single 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 257**. Allow to dry, then immediately prior to overcoating, wipe the surface with a cloth dampened with a suitable thinner (Xylene / MEK / Acetone).

MasterSeal[®] TC 257

Chemical resistance

MasterSeal TC 257 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

From 0.25 kg/m² per coat. Please refer to Master Builders Solutions Method Statements for project specific coverages.

STORAGE AND SHELF LIFE

Product should be stored in a shaded area, away from direct sunlight.
The shelf life is 12 months in unopened drums in cool and dry conditions.

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.

® = Registered trademark of the MBCC Group in many countries.

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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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