

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.

PRIMARY USES

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 BASF 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

COLOURS

The standard colours are:
Basalt Grey, Black Grey, May Green, Oxide Red, Brilliant Blue, Light Grey, Traffic Grey, Reseda Green
(Further colours are available on request).

PACKAGING

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

COVERAGE

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

TYPICAL PROPERTIES* @ 25°C

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

APPLICATION

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 colour. 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 Xylene/ Acetone/ MEK Type Solvents.

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CHEMICAL RESISTANCE

MasterSeal TC 257 is resistant to acids and alkalis of medium concentrations, mineral oil products and solvents. Contact your local BASF office for specific details.

SHELF LIFE AND STORAGE

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

Product should be stored in a shaded area, away from direct sunlight.

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 BASF representative.

BASF reserves the right to have the true cause of any difficulty determined by accepted test methods.

QUALITY AND CARE

All products originating from BASF'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 ISO 45001.

* Properties listed are based on laboratory controlled tests.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this BASF 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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