

MasterSeal[®] TC 258

Single component polyurethane UV- resistant protective traffic coating

DESCRIPTION

MasterSeal TC 258 is a single component elastomeric pigmented polyurethane coating designed for application in heavily trafficked areas. It provides a UV-resistant, hard-elastic surface resistant to chemicals and abrasion. Unlike conventional moisture curing polyurethane coatings **MasterSeal TC 258** can be applied at higher thicknesses without foaming. **MasterSeal TC 258** is fire retardent.

PRIMARY USES

The high abrasion resistance of **MasterSeal TC 258** combined with its elasticity makes it suitable for use in car parks both indoors and out.

MasterSeal TC 258 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
Elastomeric
UV & weather resistant Fire retardant
Good chemical and oil resistance

COLOURS

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

PACKAGING

MasterSeal TC 258 is available in 24kg units.

COVERAGE

From 0.3kg/m² per coat please refer to Master Builders Solutions Method Statements for project specific coverages

TYPICAL PROPERTIES

Mixed density	1.30-1.40gm/cm ³ depending on colour
Curing at 20°C and 60% rel. atm. hum.	Capable of bearing loads at 48 hours tack free approx. 30 mins. to be walked on approx. 2 hours
Reaction temperatures	from +5°C to +40°C
Rel. atm. humidity	40-90%
Tensile strength DIN 53504	approx. 4.5N/mm ²
Breaking elongation DIN 53504	approx. 200%
Water vapour diffusion resistance factor DIN 52615	approx. 3000
Fire classification	Swiss Fire Class, Fume Class 1 Resistant to flying fire and heat radiation in accordance with DIN 4102-B2

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:

Mix and apply **MasterTop P 650** surface conditioner to the prepared dust free surface at approximately 0.15-0.3kg/m². Into the wet primer, scatter a 0.6-2.0kg/m² **MasterTop SR 3**.

Note: If a smooth surface finish is required, omit the aggregate scatter.

Allow to cure.

MasterSeal® TC 258

APPLICATION

MasterSeal TC 258 should be stirred before use to ensure uniformity of colour.

Apply by roller, squeegee or airless spray to the primed tack free surface.

Apply at the rate of 0.8-1.2kg/m² (in 2-3 coats). **MasterSeal TC 258** can be applied as 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.

Apply a minimum of two coats. Do not apply when the humidity exceeds 90%. 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 258**. Allow to dry, then immediately prior to overcoating, wipe the surface with a cloth dampened with **MasterTop THN 2**.

CHEMICAL RESISTANCE

MasterSeal TC 258 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 shelf life is 6 months in unopened drums in cool and dry conditions.

Once a drum has been opened, its contents should, if possible, be used up completely since surface skinning will form on any remaining quantities.

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 Master Builders Solutions representative.

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

QUALITY AND CARE

All products manufactured by Master Builders Solutions Egypt, or imported from Master Builders Solutions affiliate companies world- wide, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 standards.

* Properties listed are based on laboratory controlled tests.

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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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