

# MasterTop TC 941

An innovative topcoat with exceptional cleanability and scratch resistance for hard wearing solutions

## MATERIAL DESCRIPTION

**MasterTop TC 941** is a high solids, non-solvented, low emission, pigmented two component topcoat which cures to a semi-gloss finish.

## FIELDS OF APPLICATION

**MasterTop TC 941** is designed for use as a wear and scratch resistant topcoat in industrial environments on epoxy based and/or hard polyurethane systems, i.e. **MasterTop 1205**, **MasterTop 1210**, **MasterTop 1230** and **MasterTop 1324**.

## FEATURES AND BENEFITS

- New generation topcoat with high performance
- Semi-gloss finish
- VOC and solvent free
- Very low emission (according AgBB)
- Abrasion resistant
- Improves scratch and wear resistance
- High hiding power even at low consumption and therefore economic in use
- UV stable
- Easy to clean: low maintenance costs
- High durability
- Aesthetically pleasing

## SUBSTRATE PRE-TREATMENT

The coating to which **MasterTop TC 941** is applied should be clean and dry. Application should take place within the recoat intervals of the coating to which it is to be applied.

Do not apply when the humidity exceeds 90%. Ensure that the substrate temperature is 3°C higher than the dew point.

## APPLICATION METHOD

**MasterTop TC 941** is supplied in working packs which are pre-packaged in the exact ratio. Before mixing, precondition both A and B components to a temperature of approximately 15 to 25°C.

Do not dilute the topcoat with water or solvent. Do not exceed the maximum consumption.

For application method please refer to the Method Statement or contact the Master Builders Solutions Technical Services Department.

## CONSUMPTION

Approx. 0.10-0.12 kg/m<sup>2</sup>/coat (\*one coat required)

\*Contact the technical services department for further advice.

## CLEANING AGENT

Re-usable tools should be carefully cleaned immediately after use with **MasterTop THN 2**. Once the material has cured mechanical cleaning is required which is made easier by immersion of the tools in **MasterTop THN 2**.

## PACKAGING

**MasterTop TC 941** is supplied as a 12kg pack.

Part A – 1.2kg

Part B – 10.8kg

Total unit weight 12kg

## COLOURS

**MasterTop TC 941** is available in the following RAL colours:

RAL 7032 - Pebble Grey

RAL 7035 - Light Grey

## STORAGE AND SHELF LIFE

Store in original containers, under dry conditions and a temperature between 15-25°C. Do not expose to direct sunlight. Protect from frost. Shelf life is 12 months from date of manufacture when stored in undamaged, unopened packaging.

## EU REGULATION 2004/42

(Deco-paint Guideline)

This product conforms to the EU directive 2004/42/EG (Deco-Paint directive) and contains less than the maximum allowable VOC Limit (Stage 2, 2010). According to the EU directive 2004/42, the maximum allowable VOC content for the Product Category IIA / i type sb is 500g/l (Limit: Stage 2, 2010). The VOC content for **MasterTop TC 941** is

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## **WARNING AND PRECAUTIONS**

In its cured state, **MasterTop TC 941** is physiologically non-hazardous. The following protective measures should be taken when working with the material:

Wear safety gloves, goggles and protective clothing. Avoid contact with the skin and eyes. In case of eye contact, seek medical attention. Avoid inhalation of the fumes.

When working with the product, do not eat, smoke or work near a naked flame. For additional references to safety-hazard warnings, regulations regarding transport and waste management, please refer to the relevant Material Safety Data Sheet. The regulations of the local trade association and/or other authorities, regulating safety and hygiene of workers handling polyurethane and isocyanides must be followed.

## **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.

Master Builders Solutions 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.

## **DISCLAIMER**

The technical information and application advice given in this MB Construction Chemicals Solutions South Africa (Pty) Ltd 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.

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## TECHNICAL DATA\*

Mix ratio			by weight	1:9
Solid content		pigmented	%	ca 99
Density	Pigmented at 23°C	Part A	g/cm <sup>3</sup>	1.14
		Part B	g/cm <sup>3</sup>	1.13
		Mixed	g/cm <sup>3</sup>	1.14
Viscosity	Pigmented at 23°C	Part A	mPa.s	400
		Part B	mPa.s	1100
		Mixed	mPa.s	1000
Working time		at 20°C	min.	30
Ambient and substrate temperature			°C	min. 10 max. 30
Re-coating interval		at 20°C	h	min. 12 max. 24
Light pedestrian traffic		at 12°C / 50% r.h.	h	24
		at 23°C / 50% r.h.	h	12
		at 30°C / 50% r.h.	h	10
Fully cured		at 23°C	d	7
Max. relative humidity			%	min. 30 max. 90
Surface properties				semi-glossy, light structure

\*The above figures are intended as a guide only and should not be used as a basis for specifications.