

MasterTop[®] TC 941

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

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 BASF Method Statement or contact the BASF Technical Services Department.

CONSUMPTION

Approx. 0.10-0.12 kg/m²/coat
(*one coat required)

*Contact technical services department for further advice.

CLEANING AGENT

Re-usable tools should be carefully cleaned immediately after use with a suitable Xylene thinners. Once the material has cured mechanical cleaning is required which is made easier by immersion of the tools in a suitable Xylene thinners.

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

RAL 7040 - Window Grey

RAL 7046 - Telegrey 2

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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 ³	1.14	
		Part B	g/cm ³	1.13	
		mixed	g/cm ³	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.

STORAGE

Store in original containers, under dry conditions and a temperature between 15-25°C. Do not expose to direct sunlight. Protect from frost. For maximum shelf life under these conditions, see "Best before. ..." label.

EU REGULATION 2004/42

(Decopaint 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 <25 g/l (for the ready to use product).

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.

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CE-marking according to EN 13813

	
BASF Coatings GmbH Donnerschweer Str. 372, D-26123 Oldenburg	
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394101	
EN 13813: 2002	
EN 13813: SR-B1,5-AR1-IR4	
Synthetic resin screed for internal uses	
Essential characteristics	Performance
Fire behavior	Bfl-s1
Release of corrosive substances	SR
Water permeability	NPD
Wear resistance	< AR 1
Bond strength	> B 1,5
Impact resistance	> IR 4
Impact sound insulation	NPD
Sound absorption	NPD
Heat insulation	NPD
Chemical resistance	NPD

NPD = No performance determined

® = Registered trademark of the BASF-Group in many countries.
* Properties listed are based on laboratory controlled tests.



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STATEMENT OF RESPONSIBILITY

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NOTE

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