

MasterTop[®] TC 941

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

PRODUCT DESCRIPTION

MasterTop TC 941 is a pigmented, non solvented, two component topcoat producing a light stable, tough and durable surface with a lightly structured gloss finish that has exceptional scratch and wear resistance.

FIELDS OF APPLICATION

MasterTop TC 941 is designed for use as a light stable wear resistant finish for rigid and semi-rigid MasterTop body coats, such as MasterTop BC 372 and BC 375N. Refer to individual system data sheets MasterTop 1912 and MasterTop 1913.

FEATURES AND BENEFITS

- The next generation polyurethane technology
- Glossy finish
- Structured finish improves slip resistance
- NMP, APEO, VOC, glycol- and solvent free
- Very low emissions (according to AgBB scheme)
- Abrasion resistant
- Exceptional cleanability allows easy maintenance
- Improves scratch and wear resistance
- High hiding power even at low consumption
- UV- stable
- Easy to clean: low maintenance costs
- High durability
- Durable aesthetics

SUBSTRATE PRETREATMENT

The coating to which MasterTop TC941 is to be applied must be clean and dry and free from oil, grease and loose material and any other contamination which might impair adhesion. The substrate temperature should be at least 3K above 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. Pre-mix Part A and Part B separately. Pour the entire content of Part A into Part B. DO NOT MIX BY HAND.

Mix with a mechanical drill and paddle at a low speed (ca. 300 rpm) for at least 2 minutes. Scrape the sides and the bottom of the container several times to ensure complete

mixing. Keep the mixer blades submerged in the coating to avoid introducing air bubbles. DO NOT WORK OUT OF THE CONTAINER USED FOR MIXING. After proper mixing to a homogeneous consistency pour the mixed Parts A and B into a fresh container and mix for another minute. It is important to avoid dry edges by always working wet in wet when overlapping otherwise roller marks will be visible in the final finish. The application method consists in 3 steps. Spread MasterTop TC 941 on the base coat using a rubber squeegee. With an 11 mm length hair microfiber roller, spread smoothly the material again cross-wise. After that, walking on the previous layer with special shoes, finish the application with an 8 mm length hair nylon roller (40 – 60 cm width). For more information, please refer to the MasterTop TC 941 installation manual.

MasterTop TC 941 cures with a light and characteristic structure. The curing time of the material is influenced by the ambient, material and substrate temperatures. At low temperatures, the chemical reactions are slowed down; this lengthens the pot life, open time and curing times. High temperatures speed up the chemical reactions thus the time frames mentioned above are shortened accordingly. To fully cure, the material, substrate and application temperature should not fall below the minimum. After application, the material should be protected from direct contact with water for approx. 24h (at 15°C).

Note: Because of the good cleaning ability of MasterTop TC 941, the use and application of an initial care is not required.

CONSUMPTION

pigmented: 0,10 – 0,14 kg/m²

Caution: Please do not dilute the top coat with water. Do not exceed the maximum consumption.

CLEANING AGENT

Re-usable tools should be carefully cleaned immediately after use with MasterTop CLN 40 or solvent naphta. Once the material has cured mechanical cleaning is required which is made easier by immersing the tools in MasterTop CLN 40.

MasterTop[®] TC 941

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

PACKAGING

MasterTop TC 941 pigmented is supplied in 12-kg working packs.

COLOURS

MasterTop TC 941 is available in a limited range of RAL colours. For more information, please consult your local sales office.

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 500 g/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.

CONTACT

Should you require any further information, please do not hesitate to contact your local sales consultant or take directly contact with us:

Performance Flooring

BASF Schweiz AG

Hardmatt 434

CH-5082 Kaisten

Tel: +41 62 868 93 60

Fax: +41 62 868 93 59

BASF Coatings GmbH

Donnerschweer Str. 372

D-26123 Oldenburg

Tel: +49 441 3402 251

Fax: +49 441 3402 333

Mitglied der



MasterTop[®] TC 941

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


Technical data*				
Mix ratio			by weight	1 : 9
Solid content		pigmented	%	ca. 99
Density	pigmented at 23°C	Part A	g/cm³	1,18
		Part B	g/cm³	1,31
		mixed	g/cm³	1,30
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 temperatures			°C °C	min. 10 max. 30
Re-coating interval		at 20°C	h 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.

MasterTop® TC 941

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

CE MARKING ACCORDING TO EN 13813

	
BASF Coatings GmbH Donnerschweer Str. 372, D-26123 Oldenburg	
16	
394102	
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

Performance determined in System **MasterTop 1913**

MasterTop® TC 941

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

- » Xolutec – designed for construction



Xolutec is a smart way of combining complementary chemistries to solve the problems of challenging technical environments with a cross-linked inter penetrating network (XPN).

By controlling chemistry of the polymer chains and cross-linking density, Xolutec's properties can be adjusted to meet the required product performance, such as different degrees of toughness and flexibility.

Xolutec is very low in volatile organic compounds (VOC) and is quick and easy to apply. It cures fast at low temperature, is insensitive to moisture and tolerates a wide variety of different site conditions.

MasterTop TC 941 is based on the Xolutec Technology.

MasterTop[®] TC 941

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

November 2017

® = registered trademark of a MBCC Group member in many countries of the world

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.

Master Builders Solutions Ltd.,Co.

Level 11, Saigon Trade Center, 37 Ton Duc Thang, Ben Nghe Ward, District 1, Ho Chi Minh City, Vietnam
Tel: +84 329 702 998
Register number: 0316341574
Website: <https://www.master-builders-solutions.com/vi-vn>