

# MasterTop<sup>®</sup> TC 406W

Water-borne, matt polyurethane seal coat

## DESCRIPTION OF PRODUCT

Ok is a water-borne, two component, polyurethane based top sealer which cures to a matt finish

## PRIMARY USES

**MasterTop TC 406W** is designed for use as a matt UV resistant top coat on **MasterTop** coating systems such as:

MasterTop	1324
MasterTop	1325
MasterTop	1326
MasterTop	DAP
MasterTop	1250i M
MasterTop	1221i M
MasterTop	1212 F

and other hard epoxies.

## ADVANTAGES

- Water based, environmentally friendly
- Easy to apply
- Good adhesion to non-porous substrates
- Good abrasion and scratch resistant
- Uniform matt finish
- UV resistant
- Resistant to dilute acids and alkalis and petroleum based solvents
- Easy to clean and maintain

## PACKAGING

**MasterTop TC 406W** is supplied in 10 kg working packs.

## COLOURS

The **MasterTop TC 406W** is available in Clear (matt) topcoat.

## TYPICAL PROPERTIES

Mixing ratio A : B (by weight)	100 : 25
Mixed density	1.0 g/cm <sup>3</sup>
Mixed viscosity DIN 4mm cup at 23°C	25s
Working time at 23°C	45%
Solids content by volume	3h
Working time at 23°C	
Able to take light pedestrian traffic at 23 °C / 50 % r.h.	12h
at 10° C / 50 % r.h.	16h
Fully cured at 23 °C / 50 % r.h.	7d
Permissible ambient and substrate temperatures	min. 8°C max. 25°C
Permissible relative humidity	max. 80%
Taber Abrasion resistance CS10/10N/1000 rev.	20 mg

## APPLICATION PROCEDURE SUBSTRATE PREPARATION

The coating to which the **MasterTop TC 406W** is applied should be clean and dry. Application should take place within the re-coat intervals of the coating to which it is to be applied.

## MIXING

Before mixing, precondition both A and B components to a temperature of approximately 15 to 25°C. Pour the entire contents of Parts A and B into a clean pail. DO NOT MIX BY HAND. Mix with a mechanical drill and paddle at a low speed (ca. 300 rpm) for at least 3 minutes. Scrape the sides and the bottom of the container several times to ensure complete mixing. After proper mixing to a homogeneous consistency pour the mixed Parts A and B into a fresh container and mix for another minute. After mixing allow to stand for at least 10 minutes.

As with all water borne sealers, 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. Using a max. 40 cm, medium nap roller, start in the middle of one of the short sides of the floor.

## MasterTop<sup>®</sup> TC 406W

Dip the roller into the mixed material and roll out a strip of **MasterTop TC 406W**, parallel to the wall out to one of the corners. Dip the roller into the material once again and roll out a second strip from the starting point out to the other corner. Move backwards and repeat these steps, overlapping the first strip by a few cm. Using a second roller, starting in one corner, back roll the **MasterTop TC 406W**, without stopping, to the other corner. Offset the roller by 10-20 cm and roll over, again without stopping, to the opposite wall. Always roll in the same direction, do not back roll in

a criss-cross pattern. When almost all the laid material has been back rolled, lay two more strips and back roll as described above.. Using this method, the period between the overlapping should not exceed 1 – 4 minutes and visible roller marks will be minimised.

**MasterTop TC 406W** dries primarily by evaporation of water followed by a chemical cross-linking reaction. Therefore when applying **MasterTop TC 406W** the ambient temperature and humidity are of importance. High humidity (especially in combination with low temperatures) slows down the drying process. After application, the surface should be protected from direct contact with water for at least 24 hours.

### CONSUMPTION

The consumption of **MasterTop TC 406W** is between 0.12–0.15 kg/m<sup>2</sup>.

### MAINTAINANCE

Regular cleaning and maintenance will prolong the life of all resin floors, enhance the appearance and reduce the tendency to retain dirt. Specialised floor cleaning equipment and chemicals are available and the suppliers are able to offer advice on appropriate cleaning regimes. Consult technical service for detailed information.

### QUALITY STATEMENT

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.

® Registered trademark of a MBCC Group member In many countries of the world

### CLEANING AGENT

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

### SHELF LIFE

Up to 12 months if stored in unopened containers according to manufacturer's instructions.

### STORAGE

Store out of direct sunlight, clear of the ground on pallets protected from rainfall. Avoid excessive compaction and protect from extremes of temperatures. In tropical climates the product must be stored in an air conditioned environment.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult Master Builders Solutions's Technical Services Department.

### 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.

Master\_Builders\_Solutions\_CC-EG/Top TC\_406W\_06\_07/v1/06\_14

MBS Construction Chemicals Egypt (S.A.E), Business Park A, Building A1, Cairo Festival City, Ring Road, New Cairo, Egypt

Hotline: 15560, Phone: +202 2128 7800, Fax: +202 2128 7801

Website: <https://www.master-builders-solutions.com/en-eg>



**15560**