

# MasterTop<sup>®</sup> TC 462

A coloured two component hardwearing, polyurethane coating

## DESCRIPTION

**MasterTop TC 462** is a solvented two component polyurethane coating which, when applied to **MasterTop** or **MasterSeal** systems, produces a UV wear-resistant surface. It is available with a semi-gloss finish.

## TYPICAL APPLICATIONS

Surface coating particularly suitable as a finish top coat. **MasterTop TC 462** offers improved UV resistance and greater resistance to scratching and general abrasion.

## ADVANTAGES

- Good water resistance
- Excellent resistance to abrasion
- UV stable
- Good adhesion to polyurethane and epoxy substrates
- Easy to clean

## PACKAGING

**MasterTop TC 462** is available in 20 L packs.

## TYPICAL PROPERTIES\*

Mixing ratio base : curing agent	7 : 1 by volume
Density at 20°C, mixture	1.20 gm/cm <sup>3</sup>
Touch dry	After approx. 4 h
Curing, to foot traffic	After 24 h Bearing loads after approx. 7 days
Pot life at 20°C	Approx. 2 h
Pot life at 40°C	Approx. ½ h

## APPLICATION GUIDELINES

**MasterTop TC 462** is normally applied, but not restricted to, elastomeric **MasterTop** products.

## SURFACE PREPARATION

Previous coatings that are within their overcoating times do not require preparation.

Coatings that have exceeded the overcoating window, or coatings that are dirty, require abrading and cleaning.

Suitable means of preparation are:  
 High pressure water jetting, power scrubbing with detergent etc.

On metal substrates:	Sand blasting or mechanical abrasion with a suitable machine or sand paper
On concrete:	High pressure water jetting, power scrubbing with detergent

## MIXING

Pour the PTB into the PTA and mix until streak free. Pour into a clean container and remix for 30 seconds.

## PLACING / APPLICATION

Apply by roller or airless spray at approx. 100µm wft. Do not apply in a single coat at more than 130µm. Apply one or two coats as required.

When applying **MasterTop TC 462** by spray, thinning is recommended to obtain the best possible finish. The necessary amount of thinning will depend on the actual conditions.

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## COVERAGE / YIELD

From 0.1 L/ m<sup>2</sup> per coat onwards.

The theoretical spreading rate has been calculated for the stated volume solids and dry film thickness. A practical spreading rate will depend on the actual dry film thickness, the nature of the substrate and the relevant consumption factor.

Volume Solids : 50%

## STORAGE AND SHELF LIFE

Store under cover out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment.

The shelf life is 12 months when stored as above.

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 Technical Services Department.

**MasterTop TC 462** is sensitive to moisture. Keep cans tightly closed until use. Open cans with caution due to possible high pressure. Even small traces of water in the mixed paint will reduce pot life and result in film defects.

## QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001 and ISO 14001.

\* Properties listed are based on laboratory controlled tests.

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### 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

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