



The Chemical Company

MASTERTOP® TC 495

Clear UV resistant polyurethane coating for concrete

DESCRIPTION

MASTERTOP TC 495 is a clear coating based on polyurethane resin. The cured material gives a tough and durable coating which will not yellow on exposure to UV light and may therefore be used externally.

MASTERTOP TC 495 possesses excellent adhesion to concrete.

RECOMMENDED FOR

- external protection of concrete
- wear resistant finish to concrete
- workshops
- warehouses

FEATURES AND BENEFITS

- **UV stable**
- **non-yellowing**
- **single pack**
- **easily applied**

SPECIFICATIONS

Supply form	liquid
Colour	clear
Weight solids	40%
Application Temperature	Min. 10°C

Chemical Resistance (splash/occasional contact)	Acids: good Alkalis: good Solvents: good Water: excellent
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APPLICATION DIRECTIONS

Substrate condition

Surfaces must be free from laitance, dirt, dust, paint, grease, oils, rust and other contaminants. Surfaces must also be dry, maximum moisture content 4% by volume.

Concrete surfaces should be mechanically prepared to provide a surface profile that has a texture similar to fine/medium sandpaper. Whilst acid etching is possible, consideration must be given to residual acid, potential osmotic problems and the permissible moisture content. Surface imperfections may be filled using **Concresive 2525** and **MASTERTOP F1 Filler**.

Application

Apply by roller, brush or spray to the prepared surface. A minimum of two coats must be applied. Where a non-slip finish is required the non-slip aggregate must be broadcast into the second coat and a third coat must be applied after removal of excess aggregate. The size and quantity of aggregate broadcast should be selected to provide the required degree of slip resistance and is best determined by a trial area. The use of **MASTERTOP F1** and **F5 Filler** is suitable as non-slip aggregates.

CURING

Cure time will vary depending upon the ambient and substrate temperatures. **MASTERTOP TC 495** is recoatable after 6 hours at 20°C, do not exceed 18 hours between coats.

MASTERTOP TC 495 should be protected from spillage and traffic for 48 hours. Full chemical and mechanical resistance is obtained after 7 days.

CLEANING

Use **Thinner No. 1** to clean equipment and tools before the material hardens. Cured material can only be removed mechanically.

ESTIMATING DATA

Typical coverage is 6-8m²/litre subject to loss and wastage, surface profile and porosity.

PACKAGING

MASTERTOP TC 495 is supplied in 4 litre and 20 litre units.

SHELF LIFE

MASTERTOP TC 495 can be stored in tightly closed original containers for 12 months in controlled environments.

Note: **MASTERTOP TC 495** must not be applied to a damp floor or in rain conditions, as flash curing will occur which will prevent adhesion.

PRECAUTIONS

READ ALL SAFETY DIRECTIONS AND WARNINGS ON TINS BEFORE USE. REFER TO MATERIAL SAFETY DATA SHEET FOR HANDLING PROCEDURES.

1. As with all resin products, wear protective overalls and gloves - prolonged contact with skin should be avoided.
 2. Do not inhale vapour of product - use an air mask.
 3. Ensure adequate ventilation
 4. Do not use at a temperature of less than 5°C.
- For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the BASF Construction Chemicals **Material Safety Data Sheet (MSDS)** from our office or our website.



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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF** 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 **BASF** either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not **BASF**, are responsible for carrying out procedures appropriate to a specific application.

BASF Australia Ltd

A.B.N. 62008437867

Head Office: 11 Stanton Road Seven Hills, NSW 2147

Ph. (02) 8811 4200

Newcastle (02) 4961 3819

Canberra (02) 6280 6010

Brisbane (07) 3633 9900

Townsville (07) 4774 7344

Melbourne (03) 9549 0300

Adelaide (08) 8139 7500

Perth (08) 9366 2600

Darwin (08) 8984 3269

Kalgoorlie 0417 772 355

BASF New Zealand Ltd

BASF WEB SITES

Head Office: 45 William Pickering Drive, Albany, Auckland Ph: (09) 414 7233

www.basf-cc.com.au

www.basf-cc.co.nz

www.meyco.basf.com
