



The Chemical Company

# MASTERTOP<sup>®</sup> 1090

Clear epoxy floor sealer and primer

## DESCRIPTION

**Mastertop 1090** is an indoor, economical floor sealer and primer based on an advanced solvent based, epoxy resin. **Mastertop 1090** provides high penetration into substrates with a glossy, easily cleaned, smooth finish, ideal for industrial applications.

**Mastertop 1090** is ideal for priming under **Mastertop 1080** and can provide non-skid textures as required.

**NOTE:** Mastertop 1090 is not UV Stabilized.

## RECOMMENDED FOR

- Warehouse floors
- Workshops
- Printing and light manufacturing facilities
- New concrete
- Dustproofing
- Top coating BASF Flooring Systems

## FEATURES AND BENEFITS

- *Prepackaged and proportioned*
- *Long pot life*
- *Easy to apply*
- *Easily cleaned*
- *More durable than chlorinated rubber or acrylic coatings*
- *Economical*
- *Attractive, even, glossy surface finish*

## PERFORMANCE DATA

Temperature resistance	80°C continuous
Oil and grease resistance	excellent
Abrasion Resistance	very good
Chemical Resistance	Resistant to a wide range of chemicals

## SPECIFICATIONS

Supply Form	Thin Liquid
Mix Ratio	1:1 (v/v)
Volume Solids	Approximately 41% (v/v)
Coverage Rate	8 – 12 m <sup>2</sup> /L
Colour	Part A - Clear, Part B - Amber
Pot Life	6 hours @ 23°C
Tack Free	2 hours @ 23°C (cross ventilation required)
Re-coat time	4 – 24 hours

## APPLICATION DIRECTIONS

### Surface Preparation

Surfaces must be free of dirt or dust, paint, grease, oil, rust or other contaminants. Surfaces may be dry or damp.

New, steel trowelled concrete needs only to be clean before commencing. If curing compounds have been used, these must be removed prior to application of Mastertop 1090. Old concrete or areas in immersed conditions should be acid etched. Consult BASF Construction Chemicals personnel regarding other preparation options.

Concrete which presents holes or imperfections should be detailed with a suitably coloured BASF Construction Chemicals cementitious repair mortar or **Concrete 1444**.

### Mixing

Measure equal volumes of Part A and B (should full kits not be required) into a clean metal container. Mix thoroughly with spiral or flat mixing paddle with a slow speed drill (max. 600 rpm) for at least 4 minutes. In winter, let mixed product stand for 15 minutes before use.

### Application

Apply by brush/roller or spray to the prepared surface. A minimum of 2 coats is required. On very porous surfaces a third coat may be required. Where a non-slip finish is required, broadcast **Mastertop F1 Aggregate** into the wet surface of the first coat. Do not use at temperatures of less than 5°C unless artificial means of heating can be used to assist cure. During cold weather Part A should be pre-warmed to between 20°C and 30°C.

### Curing

Cure time will vary depending ambient and substrate temperatures. **Mastertop 1090** will cure to a tack free surface within 2 hours at 23°C when good cross ventilation is provided. Recoat time is within 4 to 24 hours. Do not allow contact with water until fully cured. In winter, consider use of heat curing to ensure full cure is achieved. These actions prevent whitening of surface at a later date. **Mastertop 1090** can take light traffic after 2 days and will be fully cured in 7 days at 23°C.

## POT LIFE

Pot life will vary depending on the ambient temperature and quantity mixed. A 20L volume of **Mastertop 1090** will have a pot life of approximately 6 hours at 23°C.



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## ESTIMATING DATA

On smooth dense surfaces **Mastertop 1090** will achieve 12m<sup>2</sup> per litre. On surfaces that have been acid etched or are porous then 8-10m<sup>2</sup> per litre will be typical.

## CLEANING

Use **Thinner No. 1** to clean equipment and tools before material hardens.

## SHELF LIFE

**Mastertop 1090** can be stored in tightly closed original containers for 24 months in controlled environments.

## PACKAGING

**Mastertop 1090** is supplied in 8L and 40L kits. (Part A and Part B).

## PRECAUTIONS

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

- As with all epoxy products, wear protective overalls and gloves - prolonged contact with skin should be avoided as it could produce dermatitis, particularly with people whose skin may be sensitive to epoxy resin systems.
- Mastertop 1090 contains flammable solvents. Ensure adequate ventilation. Do not smoke during application. Avoid the presence of a naked flame, electrical equipment or sparks.
- Wear and maintain suitable breathing equipment if applying by low pressure spray or working in confined areas.
- Keep out of reach of children. Avoid contact with skin and eyes and avoid breathing its vapour or mist spray. Wear goggles or safety glasses.

All BASF Construction Chemicals Australia & New Zealand data sheets are updated on a regular basis, it is the user's responsibility to obtain the most recent issue **AMt1090/7/0907**

## STATEMENT OF RESPONSIBILITY

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

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