

MasterTop[®] P 1601 (Formerly Mastertop P 601B)

Solvent free primer for MasterTop and MasterSeal systems

DESCRIPTION

MasterTop P 1601 is a solvent free, low viscosity, two component epoxy resin based primer for Master Builders Solutions polymer flooring and waterproofing systems.

RECOMMENDED USES

MasterTop P 1601 is designed for use as a primer on substrates such as concrete and cementitious screed to install MasterTop floor coating systems and MasterSeal waterproofing membranes.

FEATURES AND BENEFITS

- **Solvent-free** – Avoids bubbles and blisters in the topping
- **Low viscosity** – Effective sealing of pores; enhances topping finish
- **High bond strength** – Enables the topping to behave monolithic with substrate
- **Pre-proportioned packing** – Eliminates batching errors

PROPERTIES

Mixed density @ 20°C	1.03 g/cm ³
Mixing ratio (by weight)	13:3
Bond strength (tensile) N/mm ²	>1.5 (concrete failure)
Viscosity (mixed) @ 250C	600 mPas
Pot Life @10°C	70 Minutes
@23°C	30 minutes
@30°C	20 minutes
Overlay time	1 day to 2 days

APPLICATION

Surface preparation

Remove all grease, oil, dust, residual curing compound, mould release agent or other contaminant that could impair adhesion. Conventional concrete curing compounds should be removed before application. Laitance should preferably be

removed by light sweep blasting or hydro-jetting. Mechanical wire brushing may be appropriate for small areas.

Spalled concrete should be cut back to sound concrete and made good with a suitable cementitious MasterEmaco[®] repair mortar or a scratch coat of MasterTop P 1601.

The compressive strength of the substrate shall not be less than 25MPa . The concrete slab in contact with the ground must have a vapour barrier installed in compliance with DIN 18195 or equivalent. After pre-treatment of the substrate, the bond strength of the substrate must be at least 1.5 N/mm²

The moisture content of the substrate shall not be higher than 4% throughout. The temperature of the substrate must be at least 3°C above the current dew point temperature.

Protect walls and columns against resin splashes using masking tape and plastic sheeting

Mixing

Before mixing, precondition both A and B components to a temperature of approximately 15 to 25°C. Mix mechanically using a slow speed (300 rpm) drill with a wing type mixing paddle. Mix Part A slowly in its container, then add all of Part B container to it while continuing to mix for 2 to 3 minutes.

Placing

Do not apply at substrate temperatures under 5°C. Apply MasterTop P 1601 immediately after mixing, spread to the floor as soon as possible and complete the application within 30 minutes after mixing. Apply the coating by brush or roller working the primer into the pores of the substrate to ensure that the surface is sealed. To achieve complete sealing of porous substrates, two coats will be required; the second coat applied 24 hours later and at right angles to the first.

If the surface has been treated with fairing coat as described under surface preparation, allow the fairing coat to set and within 24 hours apply the first coat of MasterTop P 1601. If used as primer for MasterSeal membranes always lightly sand seed whilst the material is still tacky

Curing

Mastertop P 1601 is self-curing. During the curing process, protect the primer from direct contact with water for approx. 24h.

Subsequent coats

Install the desired polymer top coat 24 hours after the application of primer

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ESTIMATING DATA

Consumption of the mixed Mastertop P 1601 is dependent on the surface porosity and roughness. On average quality substrate, typical consumption will be 250 to 350g/m². So each package is roughly for 50m².

PACKAGING

Mastertop P 1601 part A: 13kg Container
Mastertop P 1601 part B: 3kg Container

SHELF LIFE

Mastertop P 1601 can be stored for 18 months from the date of manufacture if stored in original unopened packing, in a dry enclosed space at 15 and 35°C.

PRECAUTIONS

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 Master Builders Solutions Material Safety Data Sheet (MSDS) from our office or our website.

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions publication is 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 commonwealth or State legislation. The owner, his representative or the contractor 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 verbally 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.

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