

# MasterSeal P 692

A single component, solvent-based polyurethane primer and adhesion promoter

## Material Description

**MasterSeal P 692** is a solvented, single component, moisture curing polyurethane primer and adhesion promoter for use below and/or on MasterSeal waterproofing membranes.

## Areas of Application

**MasterSeal P 692** is designed for use as an adhesion promoting primer on MasterSeal membranes especially after they have been exposed to dew or moisture and when wear coats are to be applied. It is necessary in all cases if the spray applied membrane has been left for more than 8 hours or overnight and the next coat is the wear coat.

Its uses include the application of a new membrane to an aged membrane e.g. in repair applications. It can also be used on aged membranes when renewing or repairing the UV protective top coat.

**MasterSeal P 692** can also be used as a primer on sand broadcast epoxy primers prior to the application of a spray applied membrane in applications where the membrane is permanently exposed to significant stress from vehicle movements or the primer has been left for more than 3 days exposed .

It is also optional between existing topcoat and a new topcoat unless the old topcoat has been weathered and shows signs of chalking. It may be used if the topcoat although relatively new has had significant site traffic and the topcoat had been damaged. It is not necessary in most cases between the topcoat and the wear coat.

## Characteristics & Benefits

- Excellent adhesion to aged membranes – ideal for repair situations.
- Adhesion promoter – ensures good chemical bond between membrane and wear-coat especially if the membrane has been exposed to water, and in applications where the membrane is permanently exposed to water
- Rapid cure – does not slow the progress of the job.
- Low viscosity - easy to apply and low consumption.

## Properties

Supply form	Liquid single pack	
Colour	Slight amber	
Application	Temperature >5 to 35°C	
Density (g/cm <sup>3</sup> )	1.0-1.02	
VOC (g/L) ASTM 2369-10	550	
Non-volatiles,% (Solids by weight) ASTM D 1259	45%	
Re-coating interval	at 10°C	min. 4 hours max. 6 hours
Membrane to Primer	at 20°C	min. 2 hours max. 5 hours
Wear-coat to membrane	at 30°C & >80% RH	min. 1 hours max. 3 hours
Topcoat to old Topcoat		

*The performance data is typical and based upon controlled laboratory conditions. Actual performance on the job site may vary from these values based on actual site conditions.*

## Application

### Surface Preparation

The surface to which **MasterSeal P 692** is to be applied must be clean and dry and free from oil and grease and any other substance which may impair the adhesion of the **MasterSeal P 692**.

The temperature of the substrate must be at least 3 °C above the dew point and for at least 4 hours after application (at 15°C).

When **MasterSeal P 692** is to be applied directly to the substrate, it is necessary for concrete and other cementitious substrates to have a minimum pull off strength of 1.5 N/mm<sup>2</sup>. Any laitance present on the surface must be removed mechanically. Shot blasting or scabbling is the preferred method. Release oil and other contaminants which may impair adhesion must be removed prior to application of the primer. For substrate pre-treatment on other substrates, contact your local Master Builders Solutions Technical Sales Representative.



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## Mixing

**MasterSeal P 692** is supplied in working packs. No mixing is necessary before application. Any material that is gelled should be discarded.

## Application

**MasterSeal P 692** is a single component material. Prior to application, it should be conditioned to a temperature of 15° to 25° C. Pour the amount required from the original container and apply by spreading with a squeegee followed by back rolling. It is important to apply **MasterSeal P 692** thinly and to avoid ponding.

The curing time of the material is influenced by the humidity and the ambient and substrate temperatures. At low humidity and low temperatures, the chemical reaction is slowed down, this lengthens the curing time and the re-coating intervals. At high humidity and high temperatures the chemical reaction is accelerated thus the time frames mentioned above are shortened accordingly. If the maximum recoating times are exceeded, **MasterSeal P 692** should be reapplied.

Following application, the material should be protected from direct contact with water which will impair adhesion to the subsequent coat. Ensure that the solvent contained in the material is allowed to flash off completely before applying the subsequent coat. The temperature of the substrate must be at least 3°C above the dew point both during the application and for at least 4 hours after the application (at 15 °C).

**MasterTop P 692** should be still tacky (the solvent will have evaporated and the surface will not be marked by a lightly applied finger but will create some resistance) before application of subsequent coats. Please refer to the properties section for re-coating intervals.

## Estimating Data

The consumption of **MasterSeal P 692** is between 0.05 and 0.1 L/m<sup>2</sup> depending on the condition and porosity of the substrate.

**MasterTop P 692** will foam if applied too thickly and this will cause de-bonding between primer and subsequent coats.

The above consumption figures are intended as a guide only and may be higher on very rough or porous substrates.

## Packaging

**MasterSeal P 692** is supplied in cans of 1 litre and 10 litres.

## Storage & Shelf Life

**MasterSeal P 692** has a shelf life of 12 months. Store out of direct sunlight, clear of the ground on pallets protected from rainfall.

## Precautions

For the full health and safety hazard information and how to safely handle and use this product, make sure that you obtain a copy of the Safety Data Sheet (SDS) from our office or website.

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## Disclaimer

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#### MB Solutions Australia Pty Ltd

ABN 69 634 934 419  
 11 Stanton Road  
 Seven Hills NSW 2147

**Freecall: 1300 227 300**

[www.master-builders-solutions.com/en-au](http://www.master-builders-solutions.com/en-au)

#### MB Solutions New Zealand Ltd

45C William Pickering Drive  
 Albany, Auckland  
 New Zealand

**Phone: +64 9 414 7233**

#### Emergency Advice:

1300 954 583 within Australia (24hr)  
 0800 001 607 within New Zealand

