

# MasterSeal<sup>®</sup> P 616

## Two component polyurethane primer for metal substrates

### DESCRIPTION

**MasterSeal P 616** is a two-component polyurethane primer coat for ferrous and non-ferrous metal substrates, used with **MasterSeal** waterproof coatings.

### TYPICAL APPLICATIONS

**MasterSeal P 616** is suitable for use as a primer over aluminum, galvanized steel, mild steel, stainless steel and other non-ferrous surfaces.

**MasterSeal P 616** is used as a metal primer for **MasterSeal M 616** polyurethane-acrylic hybrid waterproof coating, and for polyurea and polyurea hybrid coatings.

### PACKAGING

**MasterSeal P 616** is supplied in 5 L and available in White, Red Oxide, and Grey.

### TYPICAL PROPERTIES\*

Density	1.34 kg/L
Mixing ratio	5:3 base to additive ratio by volume
Solids by volume ASTM-D2697-91	44 ± 2%
VOC 1990 EPA - PG6/23 (97) modified appendix 3	515 g/L
Flash points	Base: 31°C Additive: 28°C

Average drying time	Temp.	15°C	23°C	35°C
	Touch	3h	2h	1h
	Overcoat	16h	14h	12h
Working pot life		3h	2h	1h

Figures are given as a guide only. Factors such as air movement and humidity must also be considered.

### APPLICATION GUIDELINES

#### SURFACE PREPARATION

All surfaces must be free from oil, grease, dust and any friable matter. Metal surface is ideally blast cleaned to Sa 2½ finish with average surface profile in the range 30-50 µm.

Wipe the surface with cleaning solvent immediately prior to primer application to remove any contaminants.

### MIXING

**MasterSeal P 616** is supplied in pre-measured two-part package. Mix Part A and B component using as slow speed mixing drill to a uniform streak free consistency.

Use the material within its working pot life. Application outside the pot life, even if the material appears to be fit for use, may result in inferior adhesion properties.

Do not allow the mixed material temperature to exceed 35°C.

### APPLICATION

**MasterSeal P 616** can be easily applied by brush or roller. For spray application requirement, please contact technical services department.

Apply the primer in 1-2 coats and allow to sufficiently dry prior to over coating.

Application temperature is ideally between 5°C-45°C.

### COVERAGE / YIELD

Approx. 120-150 mL/m<sup>2</sup> for total consumption.

### CLEANING

Tools must be cleaned immediately after use with a suitable thinner (Xylene / MEK / Acetone) or other suitable solvent.

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## STORAGE AND SHELF LIFE

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

Shelf life is 12 months when stored in the original unopened pails in dry places and at temperatures of 5-25°C. Once opened, use as soon as possible.

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.

## HEALTH AND SAFETY

**MasterSeal P 616** contains flammable solvents and must not be exposed to a naked flame or sparks.

Apply in well-ventilated, no smoking areas, away from naked flames. In closed spaces use ventilators and carbon active masks. Solvents are heavier than air, so they creep on the floor.

## 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.

® = Registered trademark of the MBCC Group in many countries.

\* Properties listed are based 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

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builders Solutions either orally 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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