

General Description:

MASDUR ZP is a two component polyurethane material based on poly – functional saturated polyester resin. It is formulated to give a maximum protection for steel structure with anti-corrosion properties, thanks for the high quality of raw materials. Furthermore, MASDUR ZP is resistant to both extreme weather with no – yellowing effect, resistant to abrasion and provides a very smooth finish.

Major Uses:

For use on exterior and interior surfaces like steel, fibreglass, reinforced fibreglass, concrete, plastic and general masonry surfaces in an epoxy system.

Characteristics and Physical Properties:

Color	As per color card
Volume solids	62%
Specific gravity	1.25
Gloss	Semigloss/Gloss
Flash point	30 ⁰ C
Coverage	6 – 8 m ² /L
Pot life	6 hrs
Storage life	12 mo.
Mixing ratio	4 : 1
Recommended Catalyst	Masdur ZP Hardener
Thinner	PU Thinner 105/205
DFT	75 – 100 microns
Application condition: Air temperature Relative humidity	5 ~ 35 ⁰ C 85% max.
Drying time @ 25 ⁰ C To touch Hard dry Fully cured	2 hrs. 24 hrs. 5 days

Surface Preparation:

Steel:

Surface must be clean, dry and free from dust, oil, grease and some foreign matters. Recommended methods for repairing steel are by Sa 2 ½ sandblasting, wire brushing and derusting.

Priming:

Steel surface should be primed with Epobuild ZP, however, since MASDUR ZP is a self-priming topcoat it can be applied directly to the well-prepared substrate.

Mixing and Application:

Mix component A and B at specified ratio ensuring they are complete homogenous. After thoroughly mix, allow the mixture to stand for 15 – 30 minutes. Apply either by brush, roller or airless spray gun

Application Details:

Application Method	By brush, roller, airless and conventional spray
Spray Data	
Conventional Spray	
Nozzle orifice	2 – 3 mm.
Nozzle pressure	43 – 57 psi
Dilution	5 – 10%
Airless Spray	
Nozzle orifice	0.38 – 0.46 mm
Nozzle pressure	1138 - 1710 psi.
Dilution	0 - 5%

Storage:

MASDUR ZP should be kept in cool area below 25⁰C. Keep tightly close container.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or PU Thinner # 105 as soon as possible.

Packing:

Available in 1 Usg, 20lit Pail,

Physiological Hazards:

MASDUR ZP and MASDUR ZP Hardener does not contain dangerous solvents, nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. MASDUR ZP and MASDUR ZP Hardener is flammable and harmful if swallowed. If contact with eyes or skin occurs, wash well with fresh water and seek immediate medical advice.

The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.

MAS PAINTS & CHEMICAL INDUSTRY

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