

## MASTERCOAT PU 131 (Glossy) ACRYLIC BASE POLURETHANE COATING

### DESCRIPTION

**MASTERCOAT PU 131** is a two component acrylic base polyurethane top coat for exterior application suitable for steel and concrete substrate. It has excellent adhesion on prime surface. It has excellent chemical and UV resistant properties.

### ADVANTAGE

- Excellent Adhesion on prime surface
- UV light stable
- Good abrasion resistance
- Good chemical resistance

### USES

Recommended for use in new construction and maintenance services, over property primed surface. An effective top coat use in marine environment, refinery, petrochemicals, fertilizer Food processing plant, chemical transportation industries, pulp and paper mill, roofing, concrete wall surface, dairy factory, office blocks etc.

### PRODUCT DATA

Mixing Ratio	: Base 4 parts by volume and Curing agent 1 parts by volume
Pot Life	: 5-6 hrs at 30°C
Application	: Conventional spray/airless spray/Brush
Volume solid: 40%	
Recommended DFT	: 40-50 microns
Theoretical spreading rate	
40-60microns DFT	: 8-10 sq. mtr/Ltr
Surface Dry	: within 1 hrs
Hard Dry	: Over night
Fully cure	: 7 days
Color	: White, as per customer requirements
Finish	: glossy
Overcoat Interval (Min)	: Over night
Max	: 3 days
Flash Point	: Above 22°C
Packing	: 20 Litres
Thinner/ Cleaner	: PU thinner
Storage life	: 12 months as long as the sealed containers kept under cover in a dry place under normal temperature conditions

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### SURFACE PREPARATION

Coating performance, in general, is proportional to the degree of surface preparation. Surface must be clean, dry and free of all contaminants. Blast clean to a minimum of Sa2 ½ Swedish Standard SIS 05 5900. For severe corrosive condition, blast to Sa 3 with a surface profile not exceeding 65 microns. Special care must be taken on weld areas to remove flux and spatter.

### APPLICATION

Stir base thoroughly and then mix four (4) parts base and one part catalyst by volume to uniform consistency. Allow the mixture to maturation for 15-30 minutes and stir again before application and occasionally during use.

**BRUSH/ROLLER:** Apply without thinning

**CONVENTIONAL SPRAY:** Added up to 10 % PU thinner depending on the condition. Use any Standard equipment at an atomizing pressure of 3.5-4.2 Kg /cm<sup>2</sup>

**AIRLESS SPRAY:** Apply without thinning .use any standard equipment

### CLEANING

Tools and equipment's should be cleaned with solvents like xylene, acetone milk etc, immediately is used as top coat for any flooring system. It is applied over prime or self leveling sealer top coat.

### PRECAUTION

1. Avoid direct contact of skin and eyes with liquid paint and thinner. In case of contamination, rinse with fresh running water and seek medical help at once.
2. Provide adequate ventilation in confined spaced.
3. As paint contains inflammable material, keep away from sparks and open flames. No smoking should be permitted in the area.

### NOTES

1. Use off the mixed paint within the stipulated pot life period.
2. Do not apply when temperature falls below 10°C or raise above 50°C and when relative humidity raise above 90%.Do not apply during rain, fog and mist..
3. Not recommended for direct application of zinc rich primer.
4. Not recommended as tank lining.