

## MASTERCOAT PU 85

MULTIPURPOSE POLYURETHANE COATING FOR CONCRETE AND STEEL

### DESCRIPTION

**MASTERCOAT PU 85** is a solvated polyurethane polymer based moderate chemical resistance & waterproof coating. It cures to form tough and abrasion resistant, waterproof and weather durable coating. Available in 3 finish varieties viz. Gloss, Semi Gloss, and Matt finishes. Normally Semi Gloss variety is supplied. Spatial request is to be made for other finishes. **MASTERCOAT PU 85** is available in the range of colors viz. silver Grey, green, sky blue, cream & many other color shades. It is used as floor coating, wall coating, roof coating and waterproof coating.

### FEATURES / ADVANTAGES

- It is resistant to impact, abrasion, scratches etc.
- Bonds strongly on cement, concrete, asbestos, mild steels, cement plasters etc.
- It is durable with low maintenance costs.
- Resistant to water, dilute acids, alkalis, oils and various other chemical solutions. Impervious finish provides early clean surface.
- It can be applied on horizontal and vertical surfaces
- Highly Resistance to fungus and algae attack.

### TYPICAL APPLICATIONS

- For clean applications like Pharmaceuticals, chemical storage areas, Hospitals, offices, computer rooms, etc.
- For waterproofing of external buildings, roof terraces, chajjas, concrete/ steel water tank (externally)
- **MASTERCOAT PU 85** provides medium build hard wearing, chemical and abrasion resistant coating. It can be used as slip resistant coating in wet areas where a medium degree of chemical resistance is required e.g. breweries, dairies, soft drink production plants etc.

### TYPICAL CHARACTERISTICS

Nature	: Two components, Part I -Base & Part II -Hardener
Pot Life at 30°C	: 2 to 3 hours
Curing time at 30°C	: 24 hours
Inter coat application time	: 4 to 6 hours time
Light traffic use after at 30°C	: 24 hours
Full traffic use after at 30°C	: 48 hours

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### DIRECTION FOR USE

#### SURFACE PREPARATION

Surface preparation is of great importance and will affect adhesion and life of coating. Surface should be dry, free from dust, loose particles, damaged plasters, grease etc. Thorough wire brushing of the surface is a must.

#### PRMING

Apply a coat of MASTERPRIME 52 primer if required. When primer is tacky apply Top coat

#### MIXING

MASTERCOAT PU 85 is supplied in pre- weighed quantities ready to use on sites. Mix with a slow speed drill with paddle mixer to mix Part I and part II for at least 3 minutes. Mix these components in quantities supplied taking care to ensure all containers are scrapped clean. Do not add solvent or thinner.

### APPLICATION

MASTERCOAT PU 85 Coating should be applied using medium pile roller or brush to achieve a continuous coating over the prime surface

**Note:** After applying MASTERCOAT PU 85 on roof as waterproof coating, the film of MASTERCOAT PU 85 has to be protected by Cement: Sand (1: 4) mortar to a minimum thickness of 2 inch.

### COVERAGE

MASTERCOAT PU 85 covers approximately about 4 to 6 m<sup>2</sup>/coat/kg.

Normally 2 coats are recommended to achieve about 125 μ to 150 μ thicknesses. The coverage depends on the nature of the substrate.

### CLEANING OF TOOLS & EQUIPMENTS

Tool and equipment's can be cleaned immediately with solvents like Xylene, Toluene or Acetone etc.

### STORAGE AND SHELF LIFE

Store the material at a cool & dry place (at 25°C Temp. & 50% RH) Shelf life is one year when materials are stored in unopened containers as per recommended storage conditions.

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### PACKING

1 Kg, & 5kg, (Bulk packing as per Customer requirement)

### PRECAUTIONS

- Use gloves while application.
- If mixed resin comes in contact with skin, it must be removed, before it hardens with resin removing cream, followed by washing with soap and water. Do not use solvent.
- In case of eye contamination, wash with plenty of clean water and seek medical advice.
- **It is flammable please don't keep near fire.**

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