

General Description:

PU PRIMER # 5003 BLACK is a polyurethane pigmented undercoat based on saturated polyfunctional polyesters and selected pigments. A two-component material with outstanding characteristics, filling well pores of all types of woods. It has good sanding qualities, which reduces the number of coats required.

Major Uses:

PU PRIMER # 5003 BLACK is primarily used for all types of woods furniture sets, turned pieces.

Characteristics and Physical Properties:

Appearance	Black liquid
Specific Gravity	1.32 kg/L
Viscosity @ 25°C	35-40 poise
Flash Point	21°C
Non-volatile	Base : 68 % Catalyst : 24%
Application condition:	
Air temperature	5 ~ 35°C
Relative humidity	85% max
Application method	Auto / conventional spray
Recommended Catalyst	Catalyst # 004
Thinner	PU Thinner # 105/205
Mixing ratio(%wt.)	Base : Catalyst: Thinner
Spray visc. = 13~15"	100 50 20-25
Pot life @ 25°C	2~3 hours
Drying time:	
Dust free	20 – 30 min.
Touch free	35 – 45 min.
Recoat	2 - 3 hours
Hard	48 - 72 hours
Sandable	2 – 3 hours
Coverage	8 m ² /L (150 g/m ²)

Method of Application:

- To the surface well prepared, apply 1 – 2 coats of PU PRIMER # 5003 BLACK with Catalyst # 004, vertically and horizontally.
- Fill all cracks, deep holes and joints with polyester putty.
- Sand the surface with medium – grade sand paper.
- Apply 1 – 2 coats of PU PRIMER # 5003 BLACK prior to the final sanding and top coating.
- In case PU PRIMER # 5003 BLACK is used in curtain coating, the viscosity of the lacquer should be carefully controlled and monitored for continuity of the finish.
- Recoating must be done within 3 minutes to 3 hours maximum. Medium sanding with 240-320 grit sandpaper is recommended prior to any subsequent coatings

Packing:

Available in 1Usg, 20 lit. Pail and 200lit Drum.

Storage:

Shelf life 12 months minimum if stored below 25°C.

Cleaning of Tools:

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

Physiological Hazards:

PU PRIMER # 5003 BLACK and Catalyst # 004 do not contain dangerous solvents, nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. PU PRIMER # 5003 BLACK 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.

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