

MULTI PURPOSE PU COLOR ACRYLIC PUC-786-2K

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PU COLOR ACRYLIC PUC-786-2K

Multi purpose 2K PU acrylic color is high quality two component Acrylic Polyurethane coating designed for interior and exterior finished. It can be used in wood, metal, concrete, FRP (Fibre-reinforced plastic), natural stone, plastic, etc. MULTI PURPOSE PU ACRYLIC have two finishing system, clear and color. Top coat available in 3 gloss level : gloss (90 sheen), satin (30 sheen) and dof (15 sheen).

FEATURES

1. Non-yellowing.
2. Good hiding power.
3. Fast drying.
4. Good leveling and smooth surface.
5. House-hold chemical resistant.
6. Formaldehyde free.
7. Imported hardener from Bayer®- Germany with free-isocyanate content less than 0.5%.

PRODUCT SPECIFICATION

Type : 2K PU acrylic polyol
 Appearance : Colored liquid
 Color : White and other colors as requested

<u>A Component:</u> PUC-786-2K	Appearance	Gloss Level (%)	Solid Content (% NV, w/w)	Viscosity (sec/Din cup 4, 30°C)	Specific Gravity (g/cc)
Color Gloss	Colored liquid	>90	38-53	30-50	1.10 ± 0.15
Color Satin	Colored liquid	30 - 40	38-53	30-50	1.10 ± 0.15
Color Dof	Colored liquid	10 - 20	38-53	30-50	1.10 ± 0.15
<u>B Component:</u> PUH-31 NY FD	Clear	-	40 ± 1	50 ± 5 (Din cup 2)	0.97 ± 0.02

Flash Point : 27°C for A component and 26°C for B component
 Packing : a. 0.8 L in steel can, 4 L in steel gallon, and 20 L in steel pail (for A Component).
 b. 0.2 L in steel can, 1 L in steel can, and 4 L in steel gallon (for B Component).

APPLICATION

Application condition : 25 - 30°C, 40 - 60% RH
 Application method : Spray
 Substrate/Undercoat : Wood/PUSF-781-2K
 Mixing ratio by weight : A : B : Thinner = 4 : 1 : 2 - 3 (by spray)
 A : B = 4 : 1 (by roll)
 Thinner : THINNER PU MD
 Application viscosity (NK2, 30°C) : 9 - 10 sec by spray
 Pot-life of mixture : 6 - 8 hours at 30°C
 Coating Amount (wet) : 80 - 100 g/m² of mixture per coat

Theoretical coverage : 4-5 m²/L-set by spray at CA = 80-100 g/m² (efficiency 40%)
10-13 m²/L-set by roll at CA = 80-100 g/m² (efficiency 90%)

FILM PROPERTIES

Drying time

Temperature	Drying Time (min, 30°C)
Dust Free	10 -15
Tack free	30 – 40
Hard dry	120 – 180

Note : By spray on black unsaturated polyester panel at CA=100 g/m²

Re-coating time : wet on dry = after 2 - 4 hours
Stacking time : After 6 - 8 hours
Packing time : After 16 - 17 hours
Adhesion on wood : GT = 0 – 1

OTHERS

Shelf life : Five years both of A component and B component if stored in cool and dry condition and in original sealed can.
Storage and handling : Avoid B component from heat and humidity. Store in cool storage and in good ventilation room.

SURFACE PREPARATION

1. Sand all wood surfaces with sand paper no. 400. Remove all sanding dust.
2. Use **PU Surfacers PUSF-781-2K** as a base coat. For metal substrates recommended use primer **Propan Car Refinish PCR 1000 EP** as a base coat.

APPLICATION INFORMATION

1. Apply **PU Surfacers PUSF-781-2K** (mixing ratio A:B:Thinner = 4:1:2-3 by weight) with coating amount 100-120 g/m² by spray. Let it dry for 2-3 hours. Sand with sand paper no. 400. Repeat process for the second coat or third coat.
2. To improve adhesion properties in metal substrates, recommended to use primer **Propan Car Refinish PCR 1000 EP** (mixing ratio A:B:Thinner = 4:1:2-3 by volume) as a base coat with coating amount 100-120 g/m² by spray. Let it dry for 3-4 hours.
3. Apply **PU Color Acrylic PUC-786-2K** (mixing ratio A:B:Thinner = 4:1:2-3 by weight) with coating amount 80-100 g/m² by spray. Let it dry for overnight.
4. Topcoat available in gloss (90 sheen), satin (30 sheen) and dof (15 sheen).
5. Stir well A component before use.
6. A and B component and Thinner should be mixed properly and stir thoroughly with agitator.
7. Close cap of B component tightly after use.
8. Good ventilation in working area is suggested.
9. Keep out of reach of children.

RECOMMENDED COATING SYSTEM

No.	APPLICATION STEP	PRODUCT	RECOMMENDED COATING
1	Base Coat	PUSF-781-2K	1 – 2 x
2	Top Coat	PUC-786-2K	1 x

SAFETY PRECAUTION

1. This product contains aromatic solvent. It does not contain formaldehyde or heavy metals. Avoid contact with the skin and eyes. Wear suitable protective clothing such as working suit, goggles, masks, and safety gloves. Use barrier cream.
2. This product is flammable. Keep away from fire and direct sunlight. Use only explosion proof equipment. Do not breathe the vapor of spray. Avoid contact with strong oxidizing agents and water.
3. For more information, please refer to our safety data sheet.

FIRST AID

- Eye contact : Rinse immediately with plenty of water for at least 15 minutes; seek medical advice.
- Skin contact : Wash with soap and water. If irritation occurs, seek medical advice.
- Ingestion : Provide symptomatic treatment and seek medical advice.
- Inhalation : Remove person to fresh air. Keep patient rested and give artificial respiration.

DISCLAIMER

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