

REC COAT PU 6405

POLYURETHANE TOP COAT

DESCRIPTION

REC COAT PU 6405 is a dual component, high performance polyurethane topcoat formulated for use in areas requiring VOC less than 100 grams / liter. It offers a full gloss, high quality appearance with exceptional color and gloss retention and good chemical resistance.

PRIMARY APPLICATIONS

For use on automobiles, trucks, trailers, bulk tanks, chemical trailers and commercial architectural applications that require a premium topcoat appearance.

FEATURES/BENEFITS

- Uses same catalyst as Primer
- Excellent color and gloss retention
- Chemical resistant
- Ultra-Low VOC

TECHNICAL INFORMATION

Colors	White/Gray other colors are available on demand
Finish	High gloss
Volume solids %	59 ± 1
Theoretical spreading rate	23.6 m ² /l - 25 μ946 sq. ft./US gal. - 1 mil
Flash point	46°F/8°C
Specific gravity	1.22 kg/liter - 10.2 lbs. /US gallon
Dry to touch	8 hours at 20°C/68°F
Through dry to handle	12 hours
Viscosity, mixed	20-30" / Zahn 3
VOC content	95 g/liter [0.79 lbs. /US gallon]
The physical constants stated are nominal data according to the Reckon Chemicals approved formulas.	

DIRECTIONS FOR USE

APPLICATION DETAILS:	
Mixing ratio	4:1 by volume
Application method	Airless spray / Air spray / Brush & Roll
Thinner (max. vol.)	None / None / None (exempt solvents such as acetone, dimethyl carbonate or t-butyl acetate as needed)
Pot life	1.5 hours at 20°C/68°F
Nozzle Orifice	0.011" – 0.013" airless / 0.110" or 2.8 MM fluid cap conventional
Nozzle pressure	138 bars [2,000 psi] (Airless spray data are indicative and subject to adjustment)
Cleaning of tools:	REC CLEANER
Indicated film thickness, dry:	38 – 76 μ / 1.5 – 3.0 mils
Indicated film thickness, wet:	60 – 120 μ / 2.3 – 4.8 mils
Overcoat interval, min:	6 hours (20°C/68°F); 4 hours w/ 0.5 oz./mixed gallon of accelerator

SURFACE PREPARATION:

Prime according to specification.

APPLICATION CONDITIONS:

Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. Use only where application and curing can proceed at temperatures above: 7°C/44°F. The temperature of the paint itself should be: 15–25°C/59–77°F. In confined spaces provide adequate ventilation during application and drying. Thinning may be necessary in the case of very long spray hoses and/or paint temperatures below: 15°C/59°F. This will cause lower film build and longer drying time. Alternate reducers such as Acetone may be used to reduce product without adding VOCs.

PRECEDING COAT:

According to specification. Recommended systems are: Low VOC Primer.

SUBSEQUENT COAT:

None, or according to specification. Recommended systems are: **REC COAT PU 6405**.

MIXING:

Mix thoroughly before use. Add 1 quart of catalyst to a 1 gallon of **REC COAT PU 6405** and mix thoroughly again. Only apply when air and surface temperature are between 44–100°F/7– 38°C.

BRUSH/ROLLER:

Use Brush/Roller for a smoother film.

DRYING:

Under normal conditions, dries to touch in 8 hours and dries for overcoat in 6 hours. Low temperature, high humidity, poor ventilation and thick films will retard drying. Addition of accelerator at the rate of 0.5 fl. /oz. per mixed gallon will shorten dry times to overcoat at 4 hours and to touch at 7 hours.

POT LIFE:

Approximately 1 ½ hours after mixing. Mix only the amount of material that can be used in 1 ½ hours. Pot life is decreased with an increase in temperature. Mixed material should be kept in as cool a location as possible. Flush mixed material from pressure pot and lines immediately after use.

CLEANING:

Clean paint tools or spills immediately with REC CLEANER, MEK, or lacquer thinner carefully observing cautions on paint and thinner labels. Dried paint may need to be removed by scraping.

OVERCOATING:

Sanding or roughening of surface is recommended if overcoating after 2 weeks.

PACKAGING

REC COAT PU 6405 is available in 25 kg bucket, 210 kg drums and 1000 kg bulks supply.

HEALTH & SAFETY

Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult RECKON Safety Data Sheets and follow all local or national safety regulations.

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