

RUST-OLEUM®



3300 SYSTEM

ACRYLIC ALIPHATIC URETHANE

DESCRIPTION AND USES

The 3300 System is a multi-purpose high gloss, two component acrylic aliphatic polyurethane finish designed for interior or exterior use on properly primed surfaces in moderate to severe industrial environments.

PRODUCTS

1-Gallon	5-Gallon	Description
206876	206963	Masstone Tint Base
206877	206964	Deep Tint Base
206878	206965	White Tint Base
206916	206961	Gloss White
206915	----	Dove Gray
206917	----	Gloss Black
207956	----	Safety Yellow
207957	----	Safety Blue
207958	----	Safety Red

NOTE: Base component containers are short filled to allow for the addition of the Activator or, for tint bases, addition of the colorant and the Activator.

Activator sold separately

206879 - for one gallon base components, 14.1 fl. oz. (packaged in a short filled pint container)

206966 - for five gallon base components, 70.5 fl. oz. (packaged in a short filled gallon container)

COMPANION PRODUCTS

RECOMMENDED PRIMERS

V9100 System DTM Epoxy Mastic

COMPATIBLE PRIMERS

9100 System DTM Epoxy Mastic
ROC Prime 100 Epoxy Hybrid Primer

SURFACE PREPARATION

ALL SURFACES: If excessive time has elapsed since the primer was applied, remove all dirt, grease, oil, salt and chemical contaminants by washing the surface with Krud Kutter® Original Cleaner Degreaser, commercial detergent or other suitable cleaner. Rinse thoroughly with fresh water and allow to fully dry. All surfaces must be dry at time of application.

PREVIOUSLY COATED: Previously coated surfaces must be sound and in good condition. Smooth, hard, or glossy finishes should be scarified by sanding to create a surface profile. The 3300 System finish is compatible with most coatings, but a test patch is suggested.

PRODUCT APPLICATION

MIXING

Mixing ratio is 8:1 (Base to Activator) by volume. Thoroughly mix the short-filled base component, add the 206879 Activator and continue mixing. Once thoroughly

PRODUCT APPLICATION (cont.)

mixed, the material is ready to use. A 30 minute set time is suggested for brush or roller applications. Do not mix more material than can be applied within the stated pot life.

APPLICATION

Apply only when air and surface temperatures are between 40-100°F (5-38°C) and surface temperature is at least 5°F (3°C) above the dew point. The coating can be applied by brush, roller or spray.

EQUIPMENT RECOMMENDATIONS

BRUSH: Use a good quality natural or synthetic bristle brush.

ROLLER: Use a quality 3/8" nap lamb's wool or synthetic fiber roller cover.

AIR-ATOMIZED SPRAY:

Method	Fluid Tip	Fluid Delivery	Atomizing Pressure
Pressure	0.055-0.070	16 oz./min.	40-60 psi
Siphon	0.055-0.070	—	40-60 psi
HVLP (var.)	0.043-0.070	10-12 oz/min	10 psi at the tip

AIRLESS SPRAY:

Fluid Pressure	Fluid Tip	Filter Mesh
2200-3100 psi	0.013-0.015	100

THINNING

Not required.

CLEAN-UP

Xylene or 150402 Thinner

PERFORMANCE CHARACTERISTICS

PENCIL HARDNESS

METHOD: ASTM D3363
RESULT: F

CONICAL FLEXIBILITY

METHOD: ASTM D522
RESULT: >32%

IMPACT RESISTANCE (direct)

METHOD: ASTM D2794
RESULT: 104 inch lbs.

GLOSS (60°)

METHOD: ASTM D523
RESULT: 86% (color – white)

ACCELERATED WEATHERING (% gloss retention)

METHOD: ASTM D4587, QUV Type A bulb, 1000 Hours
RESULT: 96% Gloss retention (color – white)

**TECHNICAL DATA****3300 SYSTEM ACRYLIC ALIPHATIC URETHANE****PHYSICAL PROPERTIES**

		PREMIX COLORS	TINT BASES
Resin Type		Acrylic Aliphatic Polyurethane	Acrylic Aliphatic Polyurethane
Pigment Type		Varies with color	Varies with color
Solvents		MAK, Methyl Acetate, Parachlorobenzotrifluoride, Xylene	MAK, Methyl Acetate, Parachlorobenzotrifluoride, Xylene
Weight*	Per Gallon	9.4-11.7 lbs.	9.9-10.8 lbs.
	Per Liter	1.10-1.40 kg	1.20-1.30 kg
Solids*	By Weight	57.9-69.6%	65.5-68.4%
	By Volume	56.6-68.4%	63.8-68.4%
Volatile Organic Compounds*		<250 g/l (2.08 lbs./gal.)	<250 g/l (2.08 lbs./gal.)
Recommended Dry Film Thickness (DFT) per Coat		1.5-3.0 mils (per coat) (37.5-75 μ)	1.5-3.0 mils (per coat) (37.5-75 μ)
Wet Film to Achieve DFT (Unthinned material)		2.5-5.0 mils (62.5-125 μ)	2.5-5.0 mils (62.5-125 μ)
Theoretical Coverage at 1 mil DFT (25μ)		907-1097 sq.ft./gal. (22.3-39.5 m ² /l)	1023-1097 sq.ft./gal. (25.2-39.5 m ² /l)
Practical Coverage at Recommended DFT (assume 15% material loss)		260-620 sq.ft./gal. (6.4-15.2 m ² /l)	290-620 sq.ft./gal. (7.1-15.2 m ² /l)
Mixing Ratio		8:1 Base to Activator by Volume	8:1 Base to Activator by Volume
Induction Period		None required. For brush and roller application, a 30 minute set time is suggested	None required. For brush and roller application, a 30 minute set time is suggested
Pot Life @ 77°F & 50% Relative Humidity		3 hours	3 hours
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Touch	5-7 hours	5-7 hours
	Handle	7-9 hours	7-9 hours
	Recoat	14 hours to 4 days	14 hours to 4 days
	Full Cure	7 days	7 days
Dry Heat Resistance		300°F (149°C)	300°F (149°C)
Shelf Life		3 years Base components, 1 year Activator (open activator should be used within 2 weeks)	3 years Base components, 1 year Activator (open activator should be used within 2 weeks)
Safety Information		For additional information, see SDS	

* Activated material

Calculated values may vary slightly from the actual manufactured material.

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