

KLASS KOTE – PU PRODUCT DATA SHEET

PRODUCT NAME **KLASS KOTE – CLEAR ACRYLIC POLYURETHANE**

DESCRIPTION **KLASS KOTE** Clear PU represents the best in acrylic urethane technology. A hybrid polymeric blend of polyester and acrylic resins, Clear PU offers outstanding chemical resistance, flexibility, and gloss retention.

BASIC USES Protective, decorative top coat.

TECHNICAL DATA Part A (Resin): Hybrid Polymer
Part B (Catalyst): Mixed Poly Isocyanates
Percent Solids: 56.61% (before thinning)
 45.29% (after thinning)

STANDARDS Reverse Impact: 100 in/lbs
Forward Impact: 100 in/lbs
Pencil Hardness
 H-cross hatch adhesion: 100%
Flexibility
 Mandrel (1/8"): 50%

GLOSS RETENTION

Miami, Florida:

	5° South Washed	5° South Unwashed	45° South Washed	45° South Unwashed
Initial	95	95	95	95
1 Year	93	75	85	75
18 Months	82	68	79	68
2 Years	75	58	70	60

QUV Accelerated Weatherometer (OV-313 Bulb):

	60°	20°
Initial	95	91
400 Hours	95	91
900 Hours	93	77
1200 Hours	87	61
1600 Hours	74	56
2000 Hours	69	51
2400 Hours	60	45

CHEMICAL RESITANCE **KLASS KOTE** Clear PU produces excellent resistance to stains. The following chemicals produced no effect when exposed to a test panel for the specified time:

ITEM	TIME	ITEM	TIME
40% NaOH	24 Hours	Gasoline	4 Hours
40% H2SO4	24 Hours	Skydrol 500 B	No Effect
Xylol	4 Hours	Ethanol	4 Hours
Salt Water	1000 Hours		

NOTE: All tests performed on Bonderite 1000 clean steel, 3 mil. thick, aged 30 days.

SURFACE PREPARATION The surface must be clean and free from dirt, dust, grease, rust, and scale, or anything that will otherwise impede adhesion.

APPLICATION Apply thinned **KLASS KOTE** PU Clear using a light tack coat. Wait 15 minutes and apply a medium wet coat. Wait 15 to 20 minutes and apply one more medium wet coat. This should build a dry film of 2.5 to 3 mils.

MIXING INSTRUCTIONS **KLASS KOTE** PU Clear is a two-component product, mixed 3 to 1. Combine three parts side-A to one part-B catalyst by volume. Add one part solvent by volume to thin. No induction period is required.

CURE SCHEDULE For best results paint and surface should be over 70° F. At 70°F (air & substrate temperatures):

Tack Free: 45 minutes

Print Free: 6 hours

Fully Dry: 24 hours

COVERAGE Using conventional air atomizing spray equipment on a non-porous substrate, 1 quart of reduced **KLASS KOTE** will cover approximately 75-100 square feet. On more porous substrates, 1 quart will cover approximately 60 square feet.

PROTECTION INFORMATION Wear a properly fitted vapor/particulate respirator approved by NIOSH/MSHA (TC-23C) for use with paints during application and until all vapors and spray mists are exhausted. In confined spaces or where continuous spray operations are typical, wear a positive-pressure, supplied air respirator (tc-19c). Follow respirator manufacturer's instructions. Provide sufficient ventilation in volume and pattern to keep contaminants below the TLV limit and applicable OSHA requirements. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination. Use of neoprene gloves are recommended.

PACKAGING Pint kits – contains 1x can ¾ pint side-A and 1x can containing ¼ pint side-B
Quart kits – contains 1x can ¾ quart side-A and 1x can containing ¼ quart side-B

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WARRANTY The manufacturer warrants that this product conforms to label descriptions, is free from manufacturing defects, and is fit for the ordinary purposes for which such goods are used. Inasmuch as the use of this product by others and other factors affecting product performance are beyond manufactures control, manufacturer does not guarantee the results obtained. Should this product fail to give satisfactory results, manufacturer will replace the product, or at its option, refund the purchase price. This is the sole and exclusive remedy for any failure of this product to perform as warranted and shall also constitute liquidated damages in case of loss. Under no circumstances shall the buyer be entitled to any other remedy or damages. Remedies for incidental and consequential damages are specifically excluded. The seller does not authorize any person or organization to assume for it any other liability in connection with the sale or use of this product unless specifically authorized by manufacturer in writing.