



J.C. MANAGEMENT INC.
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PRODUCT DESCRIPTION: TIE BOND PRIMER CLEAR

105 is a two component 93% (+/- 1%) solids epoxy bond coat that can be used as a base coat over many existing surfaces prior to applying a topcoat product or system. The product is not intended to be a stand-alone product. This is a specially formulated **PRIMER** that adheres to many existing coatings in place allowing the application of any **AEROTHANE Epoxy or Urethane Topcoat**

RECOMMENDED FOR:

Recommended as a bond coat between various surfaces to help insure adhesion from the original surface to the topcoat or topcoat system to be applied.

SOLIDS BY WEIGHT:

93% (+/- 1%)

SOLIDS BY VOLUME:

91% (+/- 1%)

VOLATILE ORGANIC CONTENT:

76 grams per liter

COLORS AVAILABLE:

Clear- gardner color 1-2

RECOMMENDED FILM THICKNESS:

10-15 mils wet

COVERAGE PER GALLON:

400-535 square feet per gallon

PACKAGING INFORMATION:

3 gallon kit (3 gallons net approximately)

15 gallon kits (15 gallons net approximately)

MIX RATIO:

17.80 pounds (2 gallon) part A to 8.65 pounds (1gallon) part B (weight and volumes approx.)

SHELF LIFE:

1 year in unopened containers

FINISH CHARACTERISTICS:

Gloss (>80 at 60 degrees @ Erichsen glossmeter)

FLEXURAL STRENGTH:

8,300 psi @ ASTM D790

ABRASION RESISTANCE:

Taber abrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles= 18 mg loss

ADHESION:

350 psi @ elcometer (concrete failure, no delamination)

VISCOSITY:

Mixed= 200-400 cps (typical)

DOT CLASSIFICATIONS:

Part A "flammable liquid, N.O.S., 3 UN1993, PGIII"

Part B "Flammable Liquid N.O.S., 3, UN1993, PGIII"

HARDNESS:

Shore D= 75-80

COMPRESSIVE STRENGTH:

10,500 psi @ ASTM D695- 1/2" x 1/2" bars

TENSILE STRENGTH:

6,300 psi @ ASTM D638

ULTIMATE ELONGATION:

3.3%

GARDNER VARIABLE IMPACTOR:

50 inch pounds direct- passed

CURE SCHEDULE:

pot life (150 gram mass).....50-70 minutes @ 70°F

tack free (dry to touch)..... 7-9 hours @ 70 °F

recoat or topcoat.....7-12 hours @ 70°F

light foot traffic.....10-16 hours @ 70°F

full cure (heavy traffic)... 2-5 days @ 70°F

APPLICATION TEMPERATURE:

50-90 degrees F with relative humidity below 85% for best results.

CHEMICAL RESISTANCE:

REAGENT	RATING
butanol	C
xylene	B
1,1,1 trichloroethane	B
MEK	A
ethyl alcohol	B
skydrol	C
10% sodium hydroxide	E
50% sodium hydroxide	E
10% sulfuric acid	D
70% sulfuric acid	B
10% HCl (aq)	C
5% acetic acid	C

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion. NOTE: extensive chemical resistance information is available through your sales representative.

PRIMER:

Not Applicable

TOPCOAT:

Various.

LIMITATIONS:

*Color stability or gloss may be affected by environmental conditions such as high humidity, chemical exposure or certain types of lighting such as sodium vapor lights.

*Colors may vary from batch to batch. Therefore, use only product from the same batch for an entire job.

*This product is not UV color stable.

*Substrate temperatures must be 5°F above dew point.

*For best results, apply with a high quality roller.

*All new concrete must be cured for at least 30 days prior to application.

*Do not apply more than 4 mils wet thickness as this may result in the product not curing properly.

*Apply a suitable test patch to determine product suitability prior to using.

*Physical data based on neat resin.

*It is best to not expose this product to water until fully cured.

*See reverse side for application instructions.

*Physical properties are typical values and not specifications.

*See reverse side for limitations of our liability and warranty.