



Technical Data Sheet

Aqua Thane Top Coat

PRODUCT DESCRIPTION: Aqua Thane is a ready-to-use acrylic/urethane blended clear topcoat with excellent adhesion for added scratch/mar resistance with protection against moisture. This specialized product exhibits superior toughness, durability, water resistance, and is excellent for applications where flexibility and hardness are required. Aqua Thane is a non-flammable, fast drying, low odor alternative to solvent-based lacquers. To further upgrade the properties, the coating can be cross-linked (Aqua Coat cross-linker) Ideal for cabinets, interior woodwork, millwork, case goods, and furniture.

Features:**Sizes; Qts, Gals, Pails, Drums**

Film Hardness and Toughness

Clear Film

Ready to Use

Excellent Adhesion

Fast Drying

Water Clean Up

PRODUCT DATA:

Sheen	Gloss, Semi-Gloss, Satin, Flat	Weight Solids*	27.5-31.5
Weight per gallon*	8.5 (+/- 0.2 lbs/gal)	Volume Solids*	24.5-28
Viscosity as supplied	77F Zahn #2... 15.5-19.5	V.O.C *	<265 g/l
Coverage	Approx. 500 sq. ft. per gallon at one mil dry film thickness	V.O.C. Content*	<2.20 lbs/gal
Shelf Life	>12 months in a properly sealed container at 60-80F	Storage	60F-85F Passes 3 Freeze Thaw Cycles
Flash Point	94c 200F	Boiling Point	100 Celsius/212 Fahrenheit

*Values calculated from formula

MIXING/APPLICATION:

Working Temp:	65-85 degrees F
Pot Life/Catalyst:	36 hours Aqua Coat Cross-Linker [up to 6 oz per gallon]
Mixing:	Mix to ensure uniform and consistency. Do not over mix. Stir well, do not shake.
Reducer:	If needed. Use distilled water or Aqua Coat reducer less than 20%. Aqua Coat retarder less than 20% to slow drying and reduce hazing.
Surface Preparation:	Wood must be clean, dry and finish sanded. Substrates should be free of grease, oil, dirt, fingerprints and any contamination to ensure optimum adhesion and coating performance properties. On bare wood sand with the grain using #120 grit and finish with #220 grit.
Application:	Stir contents well before application. Aqua Thane can be applied by spray, brush or foam pad applicator. Use a quality synthetic brush or paint pad applicator. Spray medium wet films 3-4 mil thickness. Spray compressed air 0.40" fluid tip/medium cap: HVLP; 0.043-0.051" fluid tip/medium cap; Airless or Air Assist: 0.009-0.011" tip. Sand with #320 grit sterated or finer between coats, 3 coats minimum recommended. Remove dust before recoating. Do not use tack rags to remove dust. Aqua Thane may be used over most solvent and water based stains. Allow stain to dry thoroughly before sealing. Allow solvent based stains 48-72 hours dry time. Additional coats may be applied to increase depth and durability.
Drying times:	30 minutes to touch, time to sand and recoat 1-2 hours, light use 7-10 days, until cured 21 days. Estimates based off 70 degrees F and 50% RH. (Cooler temperatures will prolong dry time up to 4-6 hours.)
Tinting:	Aqua Coat Toners or Aqua Tone Stain [up to 5%]
Clean up:	Use warm, soapy water or Aqua Coat Equipment Cleaner
Recommended Sealer:	Aqua Coat X-119 Sanding Sealer
Recommended Stain:	Aqua Tone Stains

CAUTIONS: The technical data noted herein is accurate as of the date of publication and is subject to change without prior notice. Aqua Coat assumes no responsibility for coverage, performance or injuries resulting from use. Liability if any is limited to replacement of products. This product is intended for Industrial use only. Refer to the SDS for safety and any cautions prior to use. We recommend a test sample to insure adequate adhesion to substrate, proper curing conditions and desired performance. Optimal results depend on a number of factors: nature of the substrate, the technical and physical possibilities, as well as the user's application technique.



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Product #120-200

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