



Technical Data

AQUATHANE UV ABSORBER

GLOSS - SEMI GLOSS - SATIN - MATTE - FLAT

1 Component Waterborne Weather, Chemical & Ultraviolet Resistant Clear Urethane

DESCRIPTION:	Aquathane UV Absorber is the highest quality single component water based aliphatic urethane in our line of one-component clears. It is formulated for use as a protective topcoat clear when resistance to the effects of long-term exposure to sunlight, weather and chemicals is a requirement. It dries to a durable, flexible finish that is ultraviolet, abrasion, weather, gasoline, chemical and ultraviolet resistant.
ADVANTAGES:	Aquathane UV Absorber exhibits excellent adhesion to treated and untreated vinyl, wood, coated metal, plastic and many other substrates. When properly applied it cures to a "water white", non-yellowing finish and therefore can be used as the optimum topcoat clear. Non-Flammable, low odor.
RECOMMENDED USES:	As a protective top coat over conventional oil and water based painted finishes (<u>see Precautions section below</u>) to enhance weather and chemical resistant properties. It is ideal for use over fluorescent colors and bulletin colors to prolong color retention. Recommended for use as protective topcoat for painted vinyl signs, banners, awnings and bulletins. It is excellent for use in marine environments. Can also be used to protect graphics on floors. For clear coating metal use Aquathane UV Absorber with Corrosion Inhibitors.
PRECAUTIONS:	IMPORTANT!! Many artist colors, faux finish paints and mural paints have a weaker polymeric structure than Aquathane . Aquathane will attack weak painted finishes causing cracking and/or lifting. Caution must be used when top coating all painted murals, vinyl signs and bulletins. We recommend a 3-coat system of clears to prevent cracking of the weaker painted finish. <u>First coat - Aqua Leaf™ Clear Guard</u> let dry for 24 hours. <u>Second coat Aquathane Barrier Coat</u> let dry 8 hours. <u>Third coat Aquathane UV Gloss</u> . This is the optimum long lasting protection for interior and exterior painted substrates. <u>Before using Aquathane, perform a patch test</u> 1). to determine if it causes any cracking or lifting of the surface coating 2). to test adhesion and 3). to determine that the clear gives the desired finish (It is especially important to test for clarity over dark colors and whites). Do not apply directly over oil based putty, faux finish glazes or uncured oil based paints.
SURFACE PREPARATION:	All surfaces must be clean and free from loose or peeling paint, grease, oil, dirt, rust, mill scale and other contaminants. If this procedure is not observed, the drying and adhesion of any coating will be adversely affected. Vinyl Surfaces: Pretreat by wiping with isopropyl alcohol to help adhesion, let dry before painting. Note: Because of the many types of vinyl on the market it is recommended that Aquathane be tested on each type before using. To test apply Aquathane , let dry fully (8 hours). Apply a piece of tape to the coated area and remove tape. If coating does not lift when tape is removed, then it is suitable to use for that type of vinyl.
APPLICATION:	Follow surface preparation instructions. IMPORTANT! Mix gently before using. Do not generate bubbles. If small bubbles persist a 5% reduction with water will minimize that condition. Stir thoroughly. Apply by brush, roller or spray. Caution! Do not apply in heavy coats. Do not allow wet film to puddle. Puddling and excessive film build will make the film slightly turbid. For best results apply 2 to 3 thin coats. Allow each coat to dry thoroughly before applying another coat. Brush: Any good quality synthetic bristle brush. Roller: A short nap industrial roller will give the best results. Spray: For information on spraying, refer to equipment manufacturer's instructions.

THINNING:	Do not thin under normal conditions. Use at full strength for maximum efficiency.
CLEAN UP:	For spills, brushes and rollers use warm water and detergent. For spray equipment - after finished flush out spray gun with acetone or MEK, then flush with large volume of warm water.
DRY TIME:	@ 70° F; 50% Relative Humidity: Dries to touch - 1 1/2 hour; to handle: 3 hours; to recoat - 6 hours. Full cure - 5 to 6 days. May take longer to dry under humid conditions.
APPLICATION TEMPERATURE:	Minimum 60° F. and rising - Maximum 95° F.
APPLICATION HUMIDITY:	Maximum 85%.
COLORS:	Clear.
FINISH:	Aquathane UV Absorber Gloss: @ 60° - 80 to 90 gloss. Aquathane UV Absorber Flat: @ 60° - sheen = 5 to 7.
WEIGHT PER GALLON:	8.7 ± 0.1 lbs.
SOLIDS %:	(Weight) - 33%.
VISCOSITY:	@ 75° F (24° C) Aquathane UV Absorber Gloss: 275 CPS (Brookfield). Aquathane UV Absorber Flat: 375 CPS (Brookfield).
THEORETICAL COVERAGE:	3 mils wet @ 400 square feet per gallon.
SPREADING RATE:	540 sq.ft. @ 1 mil dry.
FLASH POINT:	Not Applicable.
PACKAGING:	4 gallons per case. 6 quarts per case.
STORAGE TEMPERATURE:	40° F minimum to 95° F maximum.
SHELF LIFE:	2 Years.
VOC INFO:	Maximum VOC is 2.92 pounds per gallon or 350 grams per liter.
CAUTIONS:	Keep from freezing. Read material safety data sheet before handling or using this product.

DISCLAIMER: The technical information here in is based on T.J. Ronan Paint Corp. research and experience and is believed to be reliable, but such information does not constitute a warranty. Since T. J. Ronan Paint Corp. has no control over the conditions under which the product is transported, stored, handled, used or applied, **buyers must determine for themselves, by preliminary test or otherwise, the suitability of the product for their purposes.** Factors beyond our control prevent us from assuming damage to property or person, even when this product is applied according to directions. **In no event shall our liability exceed the purchase price of this product.**

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