

# ROLCO AQUA-CLEAR TOPCOAT

ROLCO'S AQUA-CLEAR TOPCOAT IS A WATER BASED PRODUCT COMPOSED OF PREMIUM ACRYLIC COPOLYMERS WITH OUTSTANDING CHARACTERISTICS. IT'S UNIQUE FORMULATION PROVIDES A SOLVENT BASED PERFORMANCE FROM A WATER EMULSION SYSTEM. IT'S VISCOSITY ALLOWS APPLICATION BY BRUSH OR SPRAY OVER GILDER'S LEAF, PROPERLY PREPARED WOOD OR METAL SURFACES.

AQUA-CLEAR PROTECTIVE FILMS ARE CRYSTAL CLEAR WHICH ARE RESISTANT TO WATER, CHEMICALS AND EXTERIOR WEATHERING. IT PROVIDES HIGH GLOSS RETENTION AND WHEN IMMERSSED IN WATER, AFTER 24 HOUR DRY, THE FILMS ARE COMPLETELY WATER RESISTANT. FURTHER, AQUA-CLEAR EXHIBITS GOOD FLEXIBILITY AND ADHESION TO METAL. IT HAS A LOW ULTRA VIOLET LIGHT RESISTANCE, A QUICK DRY AND LOW ODOR FOR INDOOR USE.

ULTRA VIOLET LIGHT RESISTANCE: LIGHT SOURCE 1,100 MICRO-WATTS PER SECOND. EQUIVALENT TO ONE YEAR SUNLIGHT EXPOSURE OF 1 MIL CLEAR FILM SHOWED A SLIGHT BARELY DISCERNABLE DISCOLORATION

GARDNER COLOR INDEX: INITIAL: LESS THAN 1      FINAL: 2 MAXIMUM

SWARD HARDNESS INDEX: 64 TYPICAL

FLEXIBILITY: PASSES 3/16" MANDREL

CHEMICAL RESISTANCE: 2 MIL DRY FILM DRAW DOWN ON COLD ROLLED STEEL. DRIED AT ROOM AMBIENT TEMPERATURE FOR 96 HOURS. REAGENT SPOT CHECK AFTER 24 HOURS.

50% NaOH:	NO EFFECT
IN HCL:	NO EFFECT
66o Be H2SO4	SLIGHT BLISTER
20% AMMONIA	NO EFFECT

THE FOLLOWING CHEMICAL RESISTANT TEST CHART UTILIZED AQUA-CLEAR TOPCOAT FILMS WHERE THE FILMS WERE CONTINUOUSLY EXPOSED TO THE SOLVENTS OR CHEMICALS. WHERE THE FILM WAS SOFTENED BY A SOLVENT MATERIAL, THE FILM RE-DEVELOPED WHEN THE MATERIAL WAS ALLOWED TO EVAPORATE UNDISTURBED.

THE RESISTANCE OF THE FILMS WERE BASED UPON CONTINUOUS UNBROKEN FILMS ON STEEL AND GLASS. RESULTS MAY DIFFER IN APPLICATIONS WHERE THE FILMS ARE COMPROMISED AND THE TEST REAGENT WAS ALLOWED TO GET BEHIND THE FILM AND UNDERCUT THE SUBSTRATE.

## CHEMICAL RESISTANCE CHART

<u>CHEMICAL</u>	<u>AQUA-CLEAR TOPCOAT</u>
NAOH (10%)	NO EFFECT
HCL (10%)	NO EFFECT
H2SO4 (10%)	SLIGHT STAIN
BATTERY ACID	SLIGHT STAIN
CITRIC ACID (10%)	NO EFFECT
ACETIC ACID (10%)	NO EFFECT
ETHYL ALCOHOL	NO EFFECT
ISOPROPYL ALCOHOL	NO EFFECT
MOTOR OIL	SLIGHT SOFTENING
GREASE	NO EFFECT
ANTI FREEZE	NO EFFECT
ORANGE JUICE	NO EFFECT
LEMON JUICE	NO EFFECT
MUSTARD	NO EFFECT
KETCHUP	NO EFFECT

IODINE	SLIGHT STAIN
COOKING OIL	NO EFFECT
ALKANOLAMINES	NO EFFECT
GASOLINE	SLIGHT SOFTENING
AVIATION GASOLINE	SLIGHT SOFTENING
JET FUEL	SLIGHT SOFTENING
BRAKE FLUID	SLIGHT SOFTENING
SKYDROL	SLIGHT SOFTENING
SALT SPRAY RESISTANCE	EXCEEDS 500 HOURS

NOTE: CONSULT THE PRODUCT MSDS PRIOR TO IT'S USE. REQUEST A COPY FROM YOUR DEALER OR FROM ROLCO LABS.

DIRECTIONS FOR USE:

SURFACE PREPARATION IS IMPORTANT TO THE DURABILITY AND INTEGRITY OF THE FINISH. ALL SURFACES MUST BE CLEAN, DRY AND FREE FROM CONTAMINANTS SUCH AS OILS, WAXES, DUST AND FINGERPRINTS. INSURE THAT THE SURFACES AND FINISHES TO BE COATED HAVE BEEN THOROUGHLY DRIED AND HARDENED. WHEN THERE IS A PREVIOUSLY APPLIED COATING OR FINISH, THE APPLICATOR SHOULD TEST A SMALL AREA FOR COMPATIBILITY BEFORE PROCEEDING.

APPLICATION:

THE AQUA-CLEAR CAN BE BRUSHED OR SPRAYED ONTO A PROPERLY PREPARED AND COMPLETED SURFACE. IN AS MUCH AS THE VEHICLE MAY APPEAR UNIFORM IN APPEARANCE, IT SHOULD BE STIRRED THOROUGHLY. STIR SLOWLY TO PREVENT ENTRAPMENT OF AIR AND THEREBY CREATING BUBBLES WHEN APPLIED. IDEAL CONDITIONS FOR APPLICATION IS THAT THE TOP COAT SHOULD BE APPLIED AT 65 TO 75 DEGREES FARENHEIDT AND 40 TO 60 DEGREES OF RELATIVE HUMIDITY. DIFFERING CONDITIONS CAN COMPROMISE FILM INTEGRITY.

THE AQUA-CLEAR SHOULD BE APPLIED AT THE VISCOSITY AS RECEIVED. IF THINNING IS NECESSARY WHEN SPRAYING, THEN USE WATER AND MIX SLOWLY UNTIL UNIFORM. APPLY USING MULTIPLE LIGHT MIST COATS. WHEN BRUSHING, APPLY EVENLY WITH A SOFT NATURAL BRISTLE BRUSH. WHEN APPLIED AS RECEIVED, A 6 MIL WET LAY DOWN WILL PRODUCE A 2 ½ MIL FILM. DRY TIME TO TOUCH IS 1 TO 2 HOURS DEPENDING UPON THE TEMPERATURE AND HUMIDITY. HARD CURE IS ATTAINED APPROXIMATELY IN 10 TO 12 HOURS OR OVERNIGHT.

FOR CLEAN UP USE WATER WHILE AQUA-CLEAR IS WET OR DAMP. IF ALLOWED TO DRY THE RESULTING FILM IS NOT SOLUBLE IN WATER. ONE CAN ASSUME THAT THE COVERAGE FOR THE AQUA-CLEAR ON A PROPERLY SEALED AND OR PREPARED SURFACE IS APPROXIMATELY 300 SQUARE FEET PER GALLON AT A NOMINAL THICKNESS OF ONE MIL.

THIS PRODUCT IS A WATER BORNE EMULSION SYSTEM AND SHOULD BE KEPT FROM FREEZING.

THE CONDITIONS AND USE OF THIS PRODUCT ARE BEYOND ROLCO'S CONTROL. DIRECTIONS, INFORMATION, PERFORMANCE AND RESULTS WHEN USED ALONE OR WITH PRODUCTS OF OTHERS ARE WITHOUT WARRANTY OR GUARANTEE, EXPRESSED OR IMPLIED.

