WHY JUST STAIN... 
WHEN YOU CAN PRESERVE!

Superior Protection For All Exterior Wood Surfaces

TWP® will keep your wood beautiful, fresh and looking new longer. The ease of TWP® application and maintenance will allow you to enjoy your investment for years to come.

☑️ TWP® is a EPA registered wood preservative
☑️ TWP® prevents structural damage and wood decay
☑️ TWP® resists water absorption
☑️ TWP® prevents freeze damage in colder climates

for more information about TWP call: 1-800-262-5710
or visit: www.gemini-coatings.com
( Under Architectural Exterior Wood Products )
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*FINISH with EXCELLENCE*
No matter your wood finishing color needs, let Gemini’s premium oil based wood stain line “The Craftsman Collection” be your one stop solution for color finishing with excellence!

- **Shaker Maple**
  - CC002 - oil based
  - CCW002 - water based

- **Driftwood**
  - CC006 - oil based
  - CCW006 - water based

- **Woodsmoke**
  - CC003 - oil based
  - CCW003 - water based

- **Tobacco**
  - CC007 - oil based
  - CCW007 - water based

- **Espresso**
  - CC004 - oil based
  - CCW004 - water based

- **Sandstone**
  - CC008 - oil based
  - CCW008 - water based

- **Spiced Walnut**
  - CC005 - oil based
  - CCW005 - water based

- **Sangria**
  - CC009 - oil based
  - CCW009 - water based
modern color palette with timeless appeal!

**Gunstock**
CC010 - oil based
CCW010 - water based

**Toffee**
CC014 - oil based
CCW014 - water based

**Cedar Chest**
CC011 - oil based
CCW011 - water based

**Java**
CC015 - oil based
CCW002 - water based

**Hearthside**
CC012 - oil based
CCW012 - water based

**Hazelnut**
CC016 - oil based
CCW016 - water based

**Colonial**
CC013 - oil based
CCW013 - water based

The **Craftsman Collection** stain line is available in both a **CC - Oil Based Series** and **CCW - Water Based Series**

**ATTENTION:** Due to different substrates, wood density, sanding, wiping, application methods and atmospheric conditions, **ALWAYS** check actual stain color for accuracy before finish work process begins. Gemini is not responsible for color variance following application of the product.
Gem Glo® glazes are designed for custom wood finishing processes such as faux finishing, distressing and accenting.

**PRODUCT ADVANTAGES:**
- HAPs Compliant
- Excellent for Distressed Finishes
- Long Open Time for Easy Workability
- Versatile Color Selection
- Excellent Hiding Power
- Adds Depth and Character to High End Finishes
- Tintable with 844 Industrial Colorants (up to 5 oz. per gallon)

Due to different substrates, wood density, sanding, wiping, application methods and atmospheric conditions, **ALWAYS** check actual glaze color for accuracy before finish work process begins. Gemini is not responsible for color variance following application of the product.
Artisan Effects® faux finishing glaze can be used to create a variety of specialty finishes and illusions on ordinary wall and painted surfaces, adding character and appeal to interior surfaces. Beautifully decorate walls, ceilings and metal by creating a variety of faux finishes including:

Marbelizing, Granite, Leather, Wood Graining and Antiquing

Features and Benefits:
- Tintable with Universal Colorants (up to 8 oz. per gallon)
- 4 Popular Ready-Mixed Colors
- Easy-to-Use
- Extended “Open-Time” for Easy Wiping Characteristics
- Professional Formula
- Complies with Federal 700 Grams per Liter VOC
- Washable and Durable

Artisan Effects® Faux Finish Glaze is available in a Tint Base and four popular standard colors:
- GL4000 - Natural Tint Base
- GL4300 - Black
- GL4400 - Van Dyke Brown
- GL4450 - Raw Umber
- GL4700 - Burnt Umber
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### Material Selection

- **Light Wood**: Medium Duty, Heavy Duty, Medium Duty, Heavy Duty, Medium Duty, Heavy Duty, Medium Duty, Heavy Duty, Medium Duty, Heavy Duty, Medium Duty, Heavy Duty, Medium Duty, Heavy Duty, Medium Duty, Heavy Duty.
- **Medium Wood**: Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain.
- **Dark Wood**: Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain.
- **Primer**: Primer, Primer, Primer, Primer, Primer, Primer, Primer, Primer, Primer, Primer, Primer, Primer, Primer, Primer, Primer.

### Use These Products

- **Light Wood**: Medium Duty, Heavy Duty, Medium Duty, Heavy Duty, Medium Duty, Heavy Duty, Medium Duty, Heavy Duty, Medium Duty, Heavy Duty, Medium Duty, Heavy Duty, Medium Duty, Heavy Duty, Medium Duty.
- **Medium Wood**: Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain.
- **Dark Wood**: Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain, Medium Stain, Dark Stain.
- **Primer**: Primer, Primer, Primer, Primer, Primer, Primer, Primer, Primer, Primer, Primer, Primer, Primer, Primer, Primer, Primer.

### General Notes

- **Medium Duty**: Medium Duty, Medium Duty, Medium Duty, Medium Duty, Medium Duty, Medium Duty, Medium Duty, Medium Duty, Medium Duty, Medium Duty, Medium Duty, Medium Duty, Medium Duty, Medium Duty, Medium Duty.
- **Heavy Duty**: Heavy Duty, Heavy Duty, Heavy Duty, Heavy Duty, Heavy Duty, Heavy Duty, Heavy Duty, Heavy Duty, Heavy Duty, Heavy Duty, Heavy Duty, Heavy Duty, Heavy Duty, Heavy Duty, Heavy Duty.

### Additional Information

- **Gemini Wood Products** are designed for applications such as countertops, cabinets, and other interior wood surfaces. They are the result of the latest technology in coatings. View the full GEMINI HIGH PERFORMANCE PRODUCT GUIDE for more information.
HIGH BUILD LACQUERS

A highly efficient nitrocellulose lacquer system, utilizing premium imported modifying resins which promote excellent holdout, gloss retention, and film hardness. These lacquers are intended for use on interior architectural or decorative woodwork and SHOULD NOT be utilized as a system for furniture, kitchen cabinetry, or where chemical or water resistance is required. Not intended for use over light or natural stains where clarity and non-yellowing are critical. For non-yellowing systems, see Water Clear and Precatalyzed Lacquers. For enhanced chemical and moisture resistance, see Precatalyzed Lacquers. For wood substrates only. For interior use only.

PRODUCT ADVANTAGES:
- High Volume Solids
- AIM Compliant
- Easy to Apply
- Quick Dry
- Excellent Film Build and High Profile Appearance
- Available in Aerosol for Touch Up or Small Applications
- Phthalate Free
- 275 VOC Meets ASTM D3359-02 Standard Tape Test for Adhesion: 100%
- 550 & 275 VOC - LEED Compliant

680 VOC Series:

831 - Sealer
832 - Gloss (90°)
833 - Semi-Gloss (65°)
836 - Satin (25°)

700 - Ready to Spray
701 - Ready to Spray Gloss (90°)
702 - Ready to Spray Semi-Gloss (65°)
703 - Ready to Spray Satin (30°)

550 VOC Series:

200-0012 - Sealer
500-0033 - Gloss (90°)
500-0034 - Semi-Gloss (50°)
500-0035 - Satin (35°)
500-0036 - Flat (10°)

275 VOC Series:

200-0227 - Sealer
500-0280 - Gloss (90°)
500-0281 - Semi-Gloss (50°)
500-0282 - Satin (30°)
500-0283 - Flat (10°)

See product label for application recommendations and instructions. Contact your dealer/distributor or visit www.gemini-coatings.com for up-to-date Product Data Sheets and Safety Data Sheets for all Gemini Products.
HIGH SOLIDS LACQUERS

A step above the High Build Lacquer system in quality, formulated to meet or exceed federal 680 VOC regulations. This formula includes imported nitrocellulose and special modifying resins that provide the best durability and strength in a non-catalyzed system. Use High Solids Lacquer on any interior wood surface such as trim, molding, decorative woodwork, and furniture where adequate water resistance is required. Not intended for use over light or natural stains where clarity and non-yellowing are critical. For yellowing-resistant systems, see Water Clear or Precatalyzed Lacquers. For enhanced chemical and moisture resistance, see Precatalyzed Lacquers. For wood substrates only. For interior use only.

PRODUCT ADVANTAGES:
- High Volume Solids
- AIM Compliant
- Easy to Apply
- Quick Dry
- Excellent Film Build and High Profile Appearance
- Phthalate Free
- Available in Aerosol for Touch Up or Small Applications

680 VOC Series:

178 - Sealer
179 - Gloss (90°)
180 - Semi-Gloss (55°)
181 - Rubbed Effect (25°)
183 - Flat (10°)

GEM COAT® AEROSOLS

Gem Coat® aerosols are a specifically formulated to touch up all Gem Coat® standard coating lines. These aerosols are easy to use, competitively priced and are available in convenient 16 oz. cans and sold in cases of 12. Gem Coat aerosols are designed to touch-up all Gemini lacquer product lines, including 680 VOC, 550 VOC and 275 VOC product lines as well as being compliant in all 50 states.

Gemini offers custom fill services in as little as one-gallon of any solvent or alkyd paint or coating. Contact Gemini customer service for more information 800.262.5710

High Build Economy Lacquers
A831 High Build Lacquer Sealer
A832 High Build Gloss Lacquer
A833 High Build Semi Gloss Lacquer
A836 High Build Satin Lacquer

High Solids Lacquers
A178 High Solids Lacquer Sealer
A179 High Solids Gloss Lacquer
A180 High Solids Semi Gloss Lacquer
A181 High Solids Rubbed Effect Lacquer
A183 High Solids Flat Lacquer

Water Clear Lacquers
A160 Water Clear Lacquer Sealer
A161 Water Clear Gloss Lacquer
A162 Water Clear Semi Gloss Lacquer
A163 Water Clear Rubbed Effect Lacquer
A164 Water Clear Flat Lacquer

Precatalyzed Lacquers
A5901 Clear Gloss Precatalyzed Lacquer
A5902 Clear Rubbed Effect Precatalyzed Lacquer
A5903 Clear Semi Gloss Precatalyzed Lacquer
A5904 Clear Flat Precatalyzed Lacquer

Pigmented Lacquer Sealer
A8070 White Pigmented Sealer

Pigmented Lacquers
A190 Gloss Black Lacquer
A191 Gloss White Lacquer
A192 Flat Black Lacquer
A193 Semi Gloss White Lacquer
A194 Low Sheen White Lacquer
A1206 Black Semi Gloss Lacquer

Retarder
AL61 Blush Eliminator
A must for enhanced flow & leveling or to eliminate “blush” or “orange peel”

See Gemini’s “MASTER’S MAGIC” catalog for toning and shading products in aerosol.
Also available online at: www.gemini-coatings.com under touch up and repair

8
WATER CLEAR LACQUERS

A nitrocellulose system modified with state-of-the-art resins specifically formulated to provide exceptional clarity that meets or exceeds federal 680, 550 and 275 VOC regulations. This is a preferred system for light or natural stains where clarity and color retention are critical. Use Water Clear Lacquers on any interior wood surface where clarity and color stability over light or natural stains are used, such as trim, molding, furniture or cabinets where adequate water resistance is required. For enhanced chemical and moisture resistance, see Precatalyzed Lacquers. For wood substrates only. For interior use only.

PRODUCT ADVANTAGES:
- Exceptional Clarity
- Contains UV Absorbers
- AIM Compliant
- Easy to Apply
- Resists Yellowing
- Excellent over Light or Natural Stains
- Phthalate Free
- Available in Aerosol for Small Applications or Touch Up
- 275 VOC Formula is Zero HAPs

### 680 VOC Series:

160 - Sealer
161 - Gloss (90°)
162 - Semi-Gloss (48°)
163 - Rubbed Effect (25°)
164 - Flat (10°)

### 550 VOC Series:

200-0013 - Sealer
500-0060 - Gloss (90°)
500-0061 - Semi-Gloss (50°)
500-0062 - Satin (25°)
500-0063 - Flat (10°)

### 275 VOC Series:

200-0228 - Sealer
500-0276 - Gloss (90°)
500-0277 - Semi-Gloss (50°)
500-0278 - Satin (25°)
500-0279 - Flat (10°)

See product label for application recommendations and instructions. Contact your dealer/distributor or visit www.gemini-coatings.com for up-to-date Product Data Sheets and Safety Data Sheets for all Gemini Products.
CLEAR PRECATALYZED LACQUERS

A furniture and entry-level kitchen cabinet grade system formulated with high quality synthetic resins, the finest grades of nitrocellulose and represents an intermediate step between conventional lacquer and conversion varnish. This series of finishes meets or exceeds federal 680, 500 and 275 VOC regulations and is a preferred system for light or natural stains where color retention and stability are critical. Use Clear Precatalyzed Lacquer on any interior wood surface where enhanced durability, water and chemical resistance are indicated with no “post-added” catalyst requirements. For premium performance, see Gemini’s HIGH PERFORMANCE Product Guide for post-catalyzed lacquers and conversion varnishes. For wood substrates only. For interior use only.

PRODUCT ADVANTAGES:
- HAPs Compliant
- AIM Compliant
- User Friendly – No Post-Add Catalyst Needed
- No Critical Recoat Time
- Water Clear
- Resists Yellowing
- Self-Seal System
- Moisture and Chemical Resistant
- Meets or Exceeds KCMA Standards
- Available in Aerosol
- Phthalate Free

680 VOC Series:

210-0215 - Ultra Seal – Precatalyzed Sealer
510-0050 - Gloss (90°)
510-0051 - Semi-Gloss (60°)
510-0052 - Satin (30°)
510-0062 - Dull Satin (20°)
510-0053 - Flat (10°)

550 VOC Series:

210-0030 - Precatalyzed Sealer
510-0017 - Gloss (90°)
510-0018 - Semi-Gloss (50°)
510-0019 - Satin (25°)
510-0020 - Flat (10°)

275 VOC Series:

210-0222 - Precatalyzed Sealer
510-0274 - Gloss (90°)
510-0275 - Semi-Gloss (60°)
510-0276 - Satin (30°)
510-0278 - Dull Satin (20°)
510-0277 - Flat (10°)

See product label for application recommendations and instructions. Contact your dealer/distributor or visit www.gemini-coatings.com for up-to-date Product Data Sheets and Safety Data Sheets for all Gemini Products.
PIGMENTED SEALERS

A fast drying, high filling prime coat for new raw wood, formulated to fill and sand well, and can be topcoated with a variety of coatings including lacquer, oil based enamel or waterborne. They are also formulated to meet federal 680, 550, and 275 VOC regulations. Designed for any interior woodwork such as molding, trim and decorative woodwork where moisture and chemical resistance is not required. Designed for use with Gemini’s 680, 550 or 275 VOC Pigmented Lacquers. For enhanced priming performance, see Precatalyzed Primers or Waterborne Primers. For wood substrates only. For interior use only.

PRODUCT ADVANTAGES:
- High Volume Solids
- AIM Compliant
- Easy to Apply
- Quick Dry
- Excellent Film Build and High Profile Appearance
- Available in Aerosol for Touch Up or Small Applications
- Phthalate Free
- Airless-Spray Ready

680 VOC Series:

U8070 - White Lacquer Sealer
U8080 - Gem Pro White Lacquer Sealer
U8129 - Black Lacquer Sealer

550 VOC Series:

200-0010 - White Pigmented Sealer
100-0015 - Black Lacquer Sealer

275 VOC Series:

100-0221 - White Pigmented Sealer
120-0002 - Black Lacquer Sealer

See product label for application recommendations and instructions. Contact your dealer/distributor or visit www.gemini-coatings.com for up-to-date Product Data Sheets and Safety Data Sheets for all Gemini Products.
PIGMENTED LACQUERS

A quick-dry alternative to enamel for architectural molding and trim and is formulated to meet or exceed federal 680, 550, and 275 VOC regulations. Formulated with alkyd resins, these coatings provide excellent flow and level, and better durability, hardness and mar resistance than enamels. All white finish coatings are controlled for tint strength and short-filled for the addition of colorant. For use on any interior wood surface such as trim, molding and any decorative woodwork where chemical and moisture resistance are not required. For enhanced chemical and moisture resistance, see White Precatalyzed Lacquers. For wood substrates only. For interior use only.

PRODUCT ADVANTAGES:
- AIM Compliant • Quick Dry • Excellent Flow and Level
- Available in Aerosol for Touch Up or Small Applications • Phthalate Free
- Short Filled for Colorant Addition • 275 VOC Meets ASTM D3359-02 Standard Tape Test for Adhesion: 100%
- 680 VOC Tintable with 844 Colorants at 4 oz. Per Gallon
- 550 and 275 VOC Tintable with 610 Series Low VOC Colorants

680 VOC Series:

400-0210 - White Gloss (85°)
400-0211 - White Semi-Gloss (60°)
400-0212 - White Satin (30°)
400-0213 - White Flat (10°)
190 - Black Gloss (85°)
S1206 - Black Dull Satin (20°)
192 - Black Flat (10°)
601 - Ready to Spray White Gloss (90°)
602 - Ready to Spray White Semi-Gloss (60°)
603 - Ready to Spray White Satin (30°)

550 VOC Series:

400-0039 - White Gloss (90°)
400-0040 - White Semi-Gloss (50°)
400-0041 - White Satin (20°)
400-0042 - White Medium Satin (35°)
400-0070 - Black Gloss (85°)
400-0071 - Black Semi-Gloss (55°)
400-0072 - Black Satin (35°)

275 VOC Series:

400-0300 - White Gloss (90°)
400-0301 - White Semi-Gloss (60°)
400-0302 - White Satin (30°)
400-0303 - White Dull Satin (20°)
400-0304 - White Flat (10°)
400-0154 - Black Gloss (90°)
400-0155 - Black Semi-Gloss (60°)
400-0156 - Black Satin (30°)
400-0157 - Black Flat (10°)

See product label for application recommendations and instructions. Contact your dealer/distributor or visit www.gemini-coatings.com for up-to-date Product Data Sheets and Safety Data Sheets for all Gemini Products.
A furniture and entry-level kitchen cabinet grade system formulated with high quality synthetic resins, the finest grades of nitrocellulose and represents an intermediate step between conventional lacquer and conversion varnish. This series of finishes meets or exceeds federal 680, 500 and 275 VOC regulations and is ideal for any interior wood surface where enhanced durability, water and chemical resistance are indicated with no “post-added” catalyst requirements. For premium performance, see Gemini’s HIGH PERFORMANCE Product Guide for post-catalyzed lacquers and conversion varnishes. For wood substrates only. For interior use only.

**PRODUCT ADVANTAGES:**
- High Volume Solids
- AIM Compliant
- No Critical Recoat Time
- Self-Primming
- Meets or Exceeds KCMA Standards
- Available in Aerosol for Touch Up or Small Applications
- Phthalate Free
- Short Filled for Colorant Addition
- Yellowing Resistant
- Chemical and Moisture Resistant
- HAPs Compliant
- 680 VOC Tintable with 844 Colorants at 4 oz. Per Gallon
- 550 and 275 VOC Tintable with 610 Series Low VOC Colorants

### 680 VOC Series:

**110-0016 - White Precatalyzed Primer**

- 410-0075 - White Gloss (75°)
- 410-0076 - White Semi-Gloss (50°)
- 410-0077 - White Satin (35°)
- 410-0078 - White Dull (20°)
- 410-0008 - White Gloss (80°)
- 410-0009 - White Semi-Gloss (60°)
- 410-0010 - White Satin (30°)
- 410-0011 - White Flat (10°)

### 550 VOC Series:

**110-0016 - White Precatalyzed Primer**

- 410-0033 - White Gloss (90°)
- 410-0034 - White Semi-Gloss (60°)
- 410-0035 - White Satin (30°)
- 410-0036 - White Flat (10°)

### 275 VOC Series:

**110-0212 - White Precatalyzed Primer**

- 410-0252 - White Gloss (90°)
- 410-0253 - White Semi-Gloss (60°)
- 410-0254 - White Satin (30°)
- 410-0255 - White Flat (10°)

See product label for application recommendations and instructions. Contact your dealer/distributor or visit [www.gemini-coatings.com](http://www.gemini-coatings.com) for up-to-date Product Data Sheets and Safety Data Sheets for all Gemini Products.
Titanium Waterborne High Solids Acrylic coatings are a single component, acrylic/urethane modified, high solids waterborne coating system containing low levels of solvent allowing for reduction in VOCs and HAPs. Utilizing the latest waterborne technology, this system can be used as an introductory performance coating in areas where extreme water and chemical resistance are not necessary. Both the Clear and White are yellowing resistant. These products meet all of the pertinent government regulations regarding emissions and meets or exceeds the performance parameters outlined by KCMA and ASTM. For wood substrates only. For premium performance see Gemini’s HIGH PERFORMANCE Product Guide for Precatalyzed and Post-Catalyzed waterborne systems. For wood substrates only. For interior use only.

**PRODUCT ADVANTAGES:**
- High Volume Solids
- Low Odor
- Quick Stack Time
- Minimal Grain Raise
- Zero HAPs
- Resists Yellowing
- Meets KCMA and ASTM Performance Requirements
- Hard, Resilient Film when Cured
- Excellent Flow and Level
- Moisture and Chemical Resistant
- Exceptional Clarity

---

## Clear Series:

- WBS-0100 - Sealer
- WB-0290 - Gloss (90°)
- WB-0260 - Semi-Gloss (60°)
- WB-0230 - Satin (30°)
- WB-0210 - Flat (10°)

## White Series:

- WBP-1100 - White Primer
- WBP-1102 - White Primer
- WB-1490 - Gloss (90°)
- WB-1460 - Semi-Gloss (60°)
- WB-1430 - Satin (30°)
- WB-1410 - Flat (10°)

## Crystal Clear Acrylic Series:

- WB-0590 - Gloss
- WB-0530 - Satin
- WB-0560 - Semi-Gloss
- WB-0510 - Flat

See product label for application recommendations and instructions. Contact your dealer/distributor or visit www.gemini-coatings.com for up-to-date Product Data Sheets and Safety Data Sheets for all Gemini Products.
COMMON LACQUER PROBLEMS & SOLUTIONS

BLUSHING: The addition of a pint per gallon of SOL-0061 to the 680 VOC coatings line will help prevent moisture blushing. For 550 & 275 VOC coatings to eliminate blush or retard dry time contact your salesperson or Gemini’s Customer Service Department at 800-262-5710 for compliant reduction recommendations.

A “Resin Blush,” which has a white frosty appearance, normally occurs in the cracks or crevices of wood stained with an oil stain and not allowed sufficient time to dry prior to coating with a lacquer product. The surface should be stripped, allowed to dry for 24 hours and then the finishing process should be started again.

BUBBLES & BLISTERS: This would normally occur during hot weather. The most common causes for bubbles are material drying too fast; material too heavy; insufficent air atomization; or excessive air movement (on window sills with direct wind blowing across). Insufficient air atomization can be corrected by simply increasing your air pressure. Thick material can be corrected by reducing the viscosity with a compliant lacquer thinner. Drying too fast can be corrected by the addition of a compliant retarder.

SPRAY APPLICATIONS: Hot spray application of conventional or standard lacquer (110 to 120 degrees F) will eliminate most finishing problems attributable to humidity and temperature plus allows heavier applications with minimal possibility of “sags” on vertical surfaces or “heavy edges” on horizontal surfaces. The source of contamination must be found and eliminated before cleaning & re-spraying.

CRATERING, CRAWLING: Generally caused by contamination of the surface by oil or silicone. The source of contamination must be found and eliminated before cleaning and re-spraying. LX770 Fish Eye Remover may be used to improve finish appearance after cleaning of wood surface.

ORANGE PEEL: This problem usually occurs when the material being sprayed is drying too fast or the viscosity of the lacquer is too thick allowing the film to dry before it has had the opportunity to flow out. The problem can be corrected by reducing the viscosity or using a retarder to slow down the dry time.

Dry spraying can create similar conditions. This is eliminated with proper spray techniques. Keep a wet edge, increase fluid through the spray gun and reduce atomizing air.

LACQUER THINNERS: Many application problems and poor finish results are due to the use of the wrong reduction thinner. Many of the lacquer thinners available today are intended for machinery and equipment clean-up. They are usually reclaimed solvents that are contaminated with incompatible solvents, oils and resins and may cause stains to bleed, lift finishes, draw out sub-surface contaminants and cause many unnecessary problems with marginal equipment or application technique. For reduction recommendations contact Gemini’s customer service department, 800.262.5710.

TINTING: Because of color float and bleeding through subsequent topcoats, universal colorants are not recommended. Use only industrial colorants formulated for use in solvent-based lacquers such as 844 or Gemini’s low VOC 610 series of colorants.

VARIATIONS OF SHEEN: Every batch of Gemini’s lacquer is checked in our Quality Assurance Lab to ensure the sheen is within specifications. Any variation of sheen would normally occur when the material is insufficiently agitated. Semi-Gloss lacquers and those of lower sheen should be stirred, and then agitated a minimum of ten minutes. Most low sheen finishes require 12-24 hours air dry to develop their sheen even though the surface may feel dry. Adjustments in sheen may be achieved by mixing in L1750 Universal Flattening Agent.

SURFACE PREPARATIONS: A smooth finish on wood starts with a clean, smooth sanded surface, free of dirt, oil, grease or any foreign material that would not be compatible with a lacquer finish. Pre-finish sanding is usually done with 120 to 180 grit cabinet paper. Always sand with the wood grain and remove sanding dust from surface before finishing.

All metal surfaces to be coated should be clean of dust, dirt, grease and rust before painting.

DRIY TIME OF STAINS: All oil base or synthetic stains (excluding the Craftsman Collection), should be allowed to dry at least 24 hours before applying a lacquer product. Solvents such as mineral spirits and naphtha in oil stains are not compatible with lacquers and must be completely dried before a lacquer product is applied.
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- COST EFFECTIVE ALTERNATIVE TO REPLACEMENT
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