GENERAL PAINTING / STAINING and CARE INSTRUCTIONS

ATTENTION: Immediately following installation, all windows and doors must have a top quality finish applied to exterior and interior wood surfaces including top, bottom, and side edges of sash or panels. Periodically repaint the exterior or refinish the interior as needed to avoid damage to the wood parts.

Be sure to fill nail holes with appropriate compound ensuring compatibility with your chosen finish.

IMPORTANT: For refinishing information on Alternate Species, please see, "General Painting and Staining Instructions – Alternative Species", part number 19970054.

CAUTION: When applying a finish, it is imperative that you do not come in contact with weather strip, vinyl, plastic, metal or any other non-wood parts. Do not apply a finish to any surface which has an abrasive or sliding contact with another surface, such as Double Hung and Single Hung Tilt Pacs; Magnum Double Hung and Single Hung Tilt Pacs, and Magnum Panning Systems. Solvents in paints, stains and varnishes will cause plastic or vinyl parts, in particular, to become brittle and require replacement.

Do not use cleaners containing abrasives or solvents on Marvin products. Clean with mild detergent and warm water.

IMPORTANT: Clean and dry bare wood surfaces before applying your choice of finish. Remove handling marks, debris, or effects of exposure to moisture by sanding lightly with 220 or 320 grit sandpaper.

Do not paint over aluminum cladding.

Stain or clear coat finishes are not recommended for exterior wood window and door surfaces. Do not apply lacquer or varnishes over primed parts.

Marvin treats exposed millwork on windows and doors with a water repellant wood preservative. If any portion of the millwork is cut off or otherwise disturbed, untreated wood will be exposed to the elements and may deteriorate. **Untreated wood must be protected** by a water repellant wood preservative which contains at least 0.5% IPBC. Apply as recommended by the treatment manufacturer. Failure to retreat properly or adequately voids warranty.

EXTERIOR

PAINTING: Apply one coat of primer (if not factory primed) and two coats of top quality exterior paint according to the paint manufacturer's instructions. Paint with sash or panels open (or removed) and do not close until thoroughly dry. Lap the finish coat 1/16 "onto the glass for a proper moisture seal. This does not apply to SDL (simulated divided lite) or ADL (authentic divided lite).

INTERIOR

Paint with sash or panels open (or removed) and do not close until thoroughly dry.

PAINTING: Apply one coat of primer (if not factory primed) and two coats of top quality paint according to the paint manufacturer's instructions.

STAINING: Apply stain according to the manufacturer's instructions with additional coats of stain applied until the desired color is achieved. Care should be taken to keep the stain from wicking behind the muntin bar or into the glass rabbet. After the stain is thoroughly dry apply at least two coats of sealer.

GLASS CLEANING INSTRUCTIONS

WARNING: DO NOT USE SCRAPERS FOR CLEANING GLASS. GLASS SCRATCHED BY A SCRAPER IS NOT COVERED UNDER THE MARVIN WINDOW AND DOOR WARRANTY.

CAUTION: Do not clean glass when it is exposed to direct sunlight.

Start cleaning glass at the top of the building and continue to lower levels. Soak the glass surface with a clean water and soap solution to loosen dirt and debris. Then use a mild, non abrasive commercial window cleaning solution. Dry all cleaning solution from window gaskets, sealants and frames.

REMOVING LABELS FROM GLASS

CAUTION: Do not remove labels when exposed to direct sunlight. Cleaning agents are not to come in contact with weather strip or finishes.

For best results, labels and adhesive residue should be removed from glass as soon as possible after installation. The following information may help in removing labels:

1. Soak the label thoroughly with isopropyl alcohol (rubbing alcohol). Rub the alcohol into the label with a gentle motion until the adhesive and label are removed.
2. Soak the label thoroughly with acetone (nail polish remover) and peel the label off after a few minutes.
3. After removing labels and residue, apply a mild soap or detergent to the entire glass surface by either spraying or using a clean, grit-free cloth or sponge. Clean the glass in a circular motion, applying light to moderate pressure.
4. Rinse the glass surface immediately with generous amounts of clean water to remove cleaning solution from the glass surface. Using a squeegee or clean lint-free cloth, remove water from the glass surface.

CONDENSATION

Warm air carries larger amounts of water than cold air. When warm moisture laden air contacts a cool surface the moisture in the air will form on that cooler surface.

WHAT SHOULD I DO? Determine how much moisture is in your home with an inexpensive Hygrometer from your local hardware store. Place the Hygrometer in your home for a few days and record the readings each day. Then compare this data to the following chart:

As outside temperatures drop, the indoor relative humidity level of your home should be decreased. For homes equipped with at least insulating glass in their windows, the University of Minnesota Agriculture Extension Service gives the following levels that can be maintained without causing window condensation.

Outside Air Temperature		Inside relative humidity for 70° F (21° C) indoor air temperature
-20 degrees F	-29 degrees C	15 to 20 percent humidity
-10 degrees F	-23 degrees C	20 to 25 percent humidity
0 degrees F	-18 degrees C	25 to 30 percent humidity
+10 degrees F	-12 degrees C	30 to 35 percent humidity
+20 degrees F	-7 degrees C	35 to 40 percent humidity

If your relative humidity is higher than this chart, write to Marvin Windows and Doors for our free "Home Moisture and Condensation" brochures. If your relative humidity is within the range of the table, contact the closest Marvin window and door dealer, set up an appointment for us to visit your home. Please keep your recorded humidity data handy as this is important information needed by our customer service representative.

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2012-01-25
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