

APPLICATION

Typical Setups

Reduction: Reduction is normally not needed. If required, reduce up to 10% with Butyl Acetate R6K18, EEP Reducer R6K35 or MAK R6K30. Xylene or High Flash Naphtha may also be used, but are not HAPS compliant.

Conventional Spray:

Air Pressure 40-50 psi

Fluid Pressure 6-8 psi

Airless Spray:

Pressure 1200-1800 psi

Tip011-.015"

Air Assisted Airless:

Fluid Pressure 600-700 psi

Cap/Tip011-.015"

5-10% reduction with R6K35 will assist in application.

HVLP:

Air Pressure 9 psi

Fluid Pressure 5-10 psi

Tip047

Cleanup:

Clean tools/equipment immediately after use with HAPS Compliant Lacquer Thinner R7K320 or R7K322. Lacquer Thinner R7K120 or R7K22 may also be used, but are not HAPS compliant.

Follow manufacturer's safety recommendations when using any solvent.

SPECIFICATIONS

Product Limitations continued

uncatalyzed portion when ready to use the next day. Refrigeration extends the working pot life. Do not blend Pigmented Conversion Varnish with other conversion varnish qualities because it will dramatically reduce performance with cracking and checking problems.

- Maximum colorant level is 4 ounces per gallon with ChromaChem 844 colorants. Use of Monochromatics is recommended.
- Gloss Clear or Low Gloss Clear are intended for custom blending. They are not recommended as clear topcoats. For a clear over white varnish, Water White Conversion Varnish is recommended because of its resistance to yellowing.
- Do not exceed 2.0 mils dry film per coat because heavy wet films may cause film surface imperfections and slow dry time.
- For full sharp gloss appearance, sand intermediate coats with very fine (400-600) grit paper to prevent telegraphing of sand marks.
- For interior use only.

SPECIFICATIONS

Product Limitations:

- Sher-Wood Pigmented Conversion Varnish must be catalyzed 3% with KemVar Catalyst V66V21 for cure. Do not over-catalyze. Higher catalyst levels may cause cracking over time. Higher catalyst levels affect crosslinking rates and film properties.
- Temperatures must be above 70°F during application and cure to ensure acceptable coating properties. Coatings cured at lower temperatures are prone to cracking, checking, and brittleness. Do not pack or stack finished parts with less than the dry time listed below:

Board Surface Temperature	Time
150°F	10 minutes
or 120°F	30 minutes
or 70°F	24 hours
- Seal with T67F3, T67F5, T67F7 or P63W2. If a primer surfacer is needed, use E63W5 Sher-Wood KEMVAR Primer Surfacer or E63W30 Precat Primer Surfacer.
- Routed MDF must be presealed with Vinyl Sealer reduced 50-100% prior to the application of KemVar Primer Surfacer E63W5.
- Do not apply over nitrocellulose lacquer sealers, as they may cause wrinkling or long-term checking or cracking.
- KemVar Catalyst V66V21 is an acid. To prevent acid corrosion and pitting, all equipment should be made of stainless steel. Containers and piping should be stainless steel or plastic. Acid reacting with iron or steel will cause a discoloration of conversion varnish.
- Maximum film thickness of the total system (including Primer Surfacer) must not exceed 4 mils dry film because heavier films may cause cracking.
- Do not use in recirculating systems such as flowcoaters or curtain coaters because of accelerated cure due to aeration. Recirculating paint lines are okay.
- Working pot life is 24 hours maximum at 77°F. While catalyzed varnish remains a low viscosity liquid beyond 24 hours, it should not be used beyond pot life because a chemical reaction is taking place. The resultant film may have inferior cure and crosslinking and a tendency for long term cold checking. At higher temperatures working pot life is much shorter.
- To maintain HAPS compliance only reduce with HAPS compliant reducers.
- To extend the pot life at the end of the day, add 300-400% of uncatalyzed material. Add catalyst based only on the

(continued in column 1)

CAUTIONS

Thoroughly review product label for safety and cautions prior to using this product. A Material Safety Data Sheet is available from your local Sherwin-Williams facility. Please direct any questions or comments to your local Sherwin-Williams facility.

LABEL CAUTIONS

SEE CONTENTS STATEMENT ON LABEL.

Contents are FLAMMABLE. Vapors may cause flash fires. Keep away from heat, sparks, and open flame. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

VAPOR HARMFUL. Use only with adequate ventilation. Wear an appropriate properly fitted vapor/particulate respirator (NIOSH approved) during and after application, unless air monitoring demonstrates vapor/mist levels are below applicable limits. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

FIRST AID: If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet. If on SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing. Launder before re-use. If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention. If SWALLOWED: Call Poison Control Center, hospital emergency room, or physician immediately.

SPILL AND WASTE: Remove all sources of ignition. Ventilate and remove with inert absorbent. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulation regarding pollution.

DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.

Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Contains Formaldehyde - a potential cancer hazard. This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

SEE MATERIAL SAFETY DATA SHEET. 27558-101907.

Note: Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent Product Data Sheet for the product being used. The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application which are not known or under our control, The Sherwin-Williams Company cannot make any warranties as to the end result.