



FX50 PUREPRIME™ Formaldehyde Free White Post-Catalyzed Primer

FX50 PUREPRIME™ is a formaldehyde free, solvent borne, post-catalyzed, alkyd/amino resin based white primer. Utilizing KCI's GREENCURE™ technology, PUREPRIME™ has a unique cross-linking mechanism that does not contain or liberate formaldehyde during any part of the drying or curing process. It is also fast drying and easy to sand. It features extended pot life (up to 48 hours) after catalyzation/reduction to optimize usage and eliminate waste. FX50 has been specifically designed to be used in combination with KCI's F9 Series PUREVAR™ Formaldehyde Free White Conversion Varnishes as part of a high quality interior wood finishing system.

SUGGESTED APPLICATIONS

- Interior trim and millwork
- Office furniture
- Household furniture
- Cabinets
- Kitchen and bath components
- High demand furniture

KEY PERFORMANCE FEATURES

- Formaldehyde free
- Low VOC
- High hiding
- Excellent MDF adhesion
- Fast dry
- Chemical and moisture resistance
- Excellent flow and levelling
- Easy sanding

RELATED PRODUCTS

F9 Series PUREVAR™ Formaldehyde Free White Conversion Varnish
844 Series Colourants



PHYSICAL PROPERTIES

Available Sheens	n/a
Weight Solids	55% ± 2
Volume Solids	48% ± 2
Viscosity	170 to 200" @ 25°C Ford 4
Specific Gravity	1.1700 ± 0.01 gms/cc @ 25°C
VOC	527 g/l
Typical coverage	10-12 m ² / ltr @ 1 mil dry

ADDITIONAL CHARACTERISTICS

Catalyzation	10% by volume of 3CAT
Pot-Life	Up to 48 hrs. at room temp.
Reduction	10-30% by volume T4409 Lacquer Thinner or T5247 High Flow Reducer
Retarder	n/a
Clean-up	CA4420 Gun Wash
Shelf-life	1 year from date of manufacture

Dry Times	
26°C (~78°F) 50% RH	
To Touch	10 minutes
To Sand	30-60 minutes
To Stack/Pack	24 hours

Note: Drying times will decrease at higher temperatures/lower humidity and will increase at lower temperatures/high humidity

COLOUR DEVELOPMENT – FX50 PUREPRIME™ Formaldehyde Free White Post-Catalyzed Primer can be tinted with 844 Series Colourants up to a maximum of 5% by volume.

COATING PREPARATION - Ensure product is stirred well and brought to room temperature before use. Add 10% 3CAT Catalyst by volume slowly under agitation (prior to reduction). Pot-life is up to 48 hrs at room temperature. Product may be sprayed by conventional, airless and air-assisted airless spray. FX50 PUREPRIME™ requires 10-30% reduction with T5247 High Flow Reducer or T4409 Lacquer Thinner to spray.

SURFACE PREPARATION - Wood surface should be clean, dry and free from any oil or grease. Sand surface smooth with 150-180 grit sand paper. For easier primer application, seal routed MDF areas with a KCI post-catalyzed sealer or topcoat. Allow to dry 30-60 minutes at room temperature and sand coated areas with 240-320 grit sand paper.

APPLICATION - This product is designed to be applied in ambient conditions of 12-32°C (~55-90°F) and below 50% relative humidity.

Apply FX50 PUREPRIME™ in full uniform coats ideally applied at a rate of 4 to 5 mils wet. Allow to dry 30-60 minutes at room temperature.

Coating should be thoroughly dried and sanded smooth before application of the topcoat. Sand with 240-320 grit professional finishing steared, silicon carbide sandpaper. Apply desired formaldehyde free topcoat. Proper sanding is critical to produce a smooth finish and promote adhesion between the primer and the topcoat. Total film thickness of the finished system should not exceed 5 dry mils.

SAFETY – During application, always wear eye protection, gloves and appropriate work clothing to minimize contact. Use a respirator and safety glasses at all times when spraying. Explosion proof ventilation is required with special consideration for enclosed or confined areas. Use caution when handling flammable liquids and eliminate sources of ignition and uncovered containers from the work place. Vapours formed from this product may travel or be moved by air currents and ignited by pilot lights, light switches, other flames, smoking, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from the product.

FX50 PUREPRIME™ Formaldehyde Free White Post-Catalyzed Primer (cont'd)

PERFORMANCE TESTING / FILM CHARACTERISTICS

All performance testing is based on a composite of ASTM, AWI, ANSI and KCMA Standards.

KCI's FX50 PUREPRIME™ Formaldehyde Free White Post-Catalyzed Primer is made from the same high-quality alkyd and amino resins found in KCI's pigmented post-catalyzed topcoats. Using this product as a seal coat does not detract from the performance attributes of the overall system. See the technical data sheets for KCI's F9 Series PUREVAR™ Formaldehyde Free White Conversion Varnish for detailed performance testing results.

DISPOSAL - Disposal of chemicals and their solutions should be done according to local, provincial and federal regulations. Safety Data Sheets are available and should be consulted when handling products. These products are for industrial and professional use only; Application directions must be followed.

WARRANTY – Katilac Coatings Inc. warrants that its products are free from defects in manufacture for a period of one (1) year from date of purchase, if used prior to expiration date and applied and used in accordance with Katilac Coatings' most current published specifications applicable to such products. Katilac Coatings Inc. expressly disclaims all other warranties, express or implied, including the implied warranties of merchantability and fitness for purpose. Katilac Coatings Inc. disclaims all liability for incidental, consequential or indirect damages of any nature whatsoever. This warranty cannot be changed or modified whether by course of dealing, custom or trade or otherwise, unless agreed to in writing by Katilac Coatings Inc.



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