



## FK8 PURESEAL™ Formaldehyde Free Vinyl Sealer

FK8 PURESEAL™ Formaldehyde Free Vinyl Sealer is a solvent borne, one component, alkyd/amino/vinyl resin based clear sanding sealer. PURESEAL™ features KCI's GREENCURE™ technology; a unique cross-linking mechanism that does not contain or liberate formaldehyde during the drying or curing process. FK8 has been specifically designed to be used in combination with KCI's PUREGUARD™ and PUREVAR™ Formaldehyde Free topcoats.

FK8 can be catalyzed 5% by volume when used in conjunction with KCI's PUREVAR™ Formaldehyde Free post-catalyzed topcoats. If catalyzing FK8 ensure that any colour system containing dyes is tested thoroughly for colorfastness.

### SUGGESTED APPLICATIONS

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

### KEY PERFORMANCE FEATURES

- Zero formaldehyde
- Non-yellowing
- Excellent clarity
- Fast dry
- Easy sanding
- Gun ready for all spraying systems
- Chemical and moisture resistant
- Excellent flow and leveling
- Excellent filling properties
- Excellent wood adhesion

### RELATED PRODUCTS

KP Series PUREGUARD™ Pre-Catalyzed Topcoats  
 KV Series PUREVAR™ Conversion Varnishes  
 B7406 Rich Wiping Stain  
 B7655 ORACLE™ Classic Spray Stain



### PHYSICAL PROPERTIES

Available Sheens	n/a
Weight Solids	26% ± 2
Volume Solids	19% ± 2
Viscosity	25" @ 25°C Ford 4
Specific Gravity	0.9500 +/- 0.01 gms/cc @ 25°C
VOC	691 g/l
Typical coverage	6-8 m <sup>2</sup> / ltr @ 1 mil dry

### ADDITIONAL CHARACTERISTICS

Catalyzation:	Use as manufactured; 5% by volume with 3CAT PURECAT Acid Catalyst when used with post- cat topcoats
Pot-Life:	8-10 hrs if using catalyst
Reduction:	T4409 - as required; T4424 for faster flash
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

**COATING PREPARATION** - Ensure product is stirred well and brought to room temperature before use. Product may be sprayed by conventional, airless and air-assisted airless spray and is gun ready. If reduction is required, use T4409 at 5% by volume. If catalyzing for use in PUREVAR™ topcoats use 3CAT PURECAT Acid Catalyst 5% by volume.

**SURFACE PREPARATION** - Wood surface should be clean, dry and free from any oil or grease. Moisture content of the wood should be 7-9%. Stains, colour coats, glazes etc. should be applied according to manufacturer's directions and should be dried prior to application of sealers/topcoats. Multi-step colourant systems should be avoided unless they are thoroughly tested for adhesion and compatibility. All colour systems should be examined for colour fastness / fade resistance prior to use. For best results use Katilac stains, toners or colourant systems.

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

Apply product in full uniform coats ideally applied at a rate of 3 to 4 mils wet. Total film thickness of the finished system should not exceed 4 dry mils.

Coating should be thoroughly dried and sanded smooth before application of the topcoat. Sand with 240-320 grit professional finishing stearated, silicon carbide sandpaper. It is recommended that the finished item be conditioned for 24 hours at room temperature prior to stacking and packing.

**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.

## FK8 PURESEAL™ Formaldehyde Free Vinyl Sealer (cont'd)

### PERFORMANCE TESTING / FILM CHARACTERISTICS

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

PURESEAL™ Formaldehyde Free Vinyl Sealer is made from the same high-quality alkyd and amino resins found in KCI Pre-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 KP Series PUREGUARD™ Formaldehyde Free Pre-Catalyzed Lacquers and KV Series PUREVAR™ Formaldehyde Free 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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