



KATILAC COATINGS INC.

Purevar™

Formaldehyde-Free Conversion Varnishes

A solvent-based system that is better for you and the environment



Purevar™

Formaldehyde-Free Conversion Varnishes

KCI's PUREVAR™ topcoats are formaldehyde-free, solvent borne, two component, alkyd/amino resin based conversion varnishes. They are available in clear (KV Series) and white (F9 Series). PUREVAR™ is designed to be a greener drop-in replacement for most conversion varnish systems with little to no process or equipment changes.

KV Series PUREVAR™ Clear can be used self-sealing or with FK8 PURESEAL™ Formaldehyde-Free Vinyl Sealer. F9 Series PUREVAR™ White is a topcoat that is engineered to top coat FX50 PUREPRIME™ Formaldehyde Free White Post-cat Primer

These advanced products feature KCI's GREENCURE™ technology; a unique cross-linking mechanism that does not contain or liberate formaldehyde during the drying or curing process. The Pure™ family of products meet LEEDS, Greenguard, IAQ and BIFMA standards for formaldehyde-free designation.

Features

- KV Series Clear - 43% weight solids; 38% volume solids
- F9 Series White - 52% weight solids; 45% volume solids
- HAPs Free, low odour, very user-friendly, formaldehyde-free
- 10% catalyst using 3CAT PURECAT™ Catalyst
- Passes NAAWS and KCMA/CKCA performance standards



Performance Testing

AWMAC / AWI (NAAWS Performance Standards Testing)

System # 5 Conversion Varnish (Clear): KV Series score - 138/135 (standard 129/135)

Flammability Testing (ASTM E 84- 08a) Surface Burn Rating

Flame Spread Index.....5.0 Class 1 / Class A

Smoke Development.....5.0 Class 1 / Class A

(testing performed on concrete board by accredited independant laboratory)

KCMA Testing (ANSI/KCMA A161.1.1.2000)

- Chemical Testing (Vinegar, Lemon Juice, Orange Juice, Grape Juice, Ketchup, Coffee, Olive Oil, 100 Proof Alcohol, Mustard) – PASS; no signs of discolouration, blistering, swelling
- Detergent & Water Resistance Test – PASS; no signs of blistering, whitening, delamination, swelling
- Heat Resistance Test – PASS; no signs of discolouration, whitening, delamination or swelling
- Hot/Cold Cycle Test – PASS; 10 cycles with no signs of any film failure

Hot Print Resistance (ASTM D 2091-96)

72F (18 hrs) 4 psi - PASS

120F (1 hr) 4 psi - PASS

140F (1 hr) 4 psi - PASS

Hot/Cold Cycle Test (ASTM D 1211-97)

PASS 10 cycles

Household Chemical Resistance (ASTM D1308)

Distilled Water (D1308.6.1.1)	24 hrs	No effect
Ethyl Alcohol (D1308.6.1.3)	24 hrs	No effect
Coffee @ 180F (D1308.6.1.13)	24 hrs	No effect
Vinegar (D1308.6.1.4)	24 hrs	No effect
Mustard (D1308.6.1.12)	2 hrs	No effect
Vegetable Oil (D1308.6.1.11)	24 hrs	No effect
Dish Detergent (D1308.6.1.8)	24 hrs	No effect

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