



KATILAC COATINGS INC.

Diamond™

Extended Pot-life Conversion Varnish

Unmatched ease of application coupled with 3-5 days of useability



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The KD Series DIAMOND™ is a line of solvent borne, two component, alkyd/amino resin based conversion varnishes. They are clear, yellowing resistant topcoats that feature fast dry and easy sanding along with outstanding chemical, moisture & abrasion resistance. The DIAMOND™ Series topcoats can be used in a self-sealing system or in conjunction with KCI sanding sealers on high demand furniture and cabinet applications.

KD Series DIAMOND™ Conversion Varnishes are extended pot-life products, having a pot-life of up to 5 days pot-life after catalyzation.

Features

- 42% weight solids; 34% volume solids
- Low odour, ultra-low formaldehyde
- Water white, yellowing resistant
- 5% catalyst addition by volume; 10% reduction with lacquer thinner if necessary
- Can be used self-sealing or with VS4 QUICKSEAL™ Vinyl Modified Post-cat Sealer or EK8 KATILAC™ Vinyl Sealer
- Available in 0,15,25,40 and 80 degree sheens.

Performance Testing

AWMAC / AWI (NAAWS Performance Standards Testing)

System # 5 Conversion Varnish (Clear): KD Series score - 131/135 (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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