



KATILAC COATINGS INC.

Pinnacle™

HAPs-Free Clear Conversion Varnish

Ideal for high demand commercial & residential furniture, kitchen cabinetry, millwork



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PHF Series PINNACLE™ is a line of solvent borne, water-white, HAPs Free, two component, alkyd/amino resin based clear conversion varnishes. They are yellowing resistant, have high clarity as well as outstanding chemical, moisture and abrasion resistance. PINNACLE™ topcoats have exceptional application properties, ultra-low formaldehyde and exceptional hardness combined with an incredibly smooth feel.

PINNACLE™ HAPs-Free Conversion Varnish is ideal for kitchen cabinetry, millwork and residential, office and high demand furniture.

Features

- 55% weight solids; 48% volume solids HAPs-Free, low odour, ultra-low formaldehyde
- Water white, yellowing resistant
- 10% catalyst addition by volume 1CAT
- 10% reduction with lacquer thinner if necessary
- Can be used self-sealing or with or VS4 QUICKSEAL™ Vinyl Modified Post-cat Sealer or EK8 KATILAC™ Vinyl Sealer
- Available in 15,25,35 and 90 degree sheens

Performance Testing

AWMAC / AWI (NAAWS Performance Standards Testing)

System # 5 Conversion Varnish (Clear): PHF 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	Slight discolouration – recovers @ 24hrs
Vegetable Oil (D1308.6.1.11)	24 hrs	No effect
Dish Detergent (D1308.6.1.8)	24 hrs	No effect

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