



## NeoResins

### NeoCryl XK-12

NeoCryl XK-12 is a self-crosslinking, modified acrylic emulsion designed for use in industrial wood finishes. NeoCryl XK-12 develops block resistant and chemical resistant films without the addition of external crosslinkers. Coatings utilizing NeoCryl XK-12 can be cured in ambient conditions or by force drying.

In addition, NeoCryl XK-12 exhibits high gloss, excellent clarity, and good pore wetting properties.

NeoCryl XK-12 is being used as industrial kitchen cabinet and furniture finishes due to the above properties, as well as its low cosolvent demand and exceptional alcohol resistance.

#### Key Benefits

- Excellent Alcohol Resistance
- Self-crosslinking at Ambient
- Good Block & Print Resistance
- Clarity
- Good Pore Wetting

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#### Typical Properties

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|   |               |
|---|---------------|
| Total solids, by weight, %                | 45            |
| pH  | 8.0           |
| Viscosity, Brookfield, 25°C, cps          | 75            |
| Weight per gallon, 25°C, as supplied, lbs | 8.6           |
| Volatile Organic Compounds (VOC)          | None          |
| Freeze/thaw stability                     | Do not freeze |
| Heat stability, one month, 52°C           | Good          |

Bulletin XK-12  
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### Kitchen Cabinet Manufacturers Association Test (3/95)

#### Sec. 9.3 Chemical Resistance Test

##### NeoCryl XK-12 formulation WB-4114

|                |               |                 |                    |               |                 |
|----------------|---------------|-----------------|--------------------|---------------|-----------------|
| <b>Mustard</b> | <b>1 hour</b> | <b>Recovery</b> | <b>Vinegar</b>     | <b>1 hour</b> | <b>Recovery</b> |
| Loss of Gloss  | 5             | 5               | Loss of Gloss      | 5             | 5               |
| Stain          | 5             | 5               | Stain              | 5             | 5               |
| Whitening      | 5             | 5               | Whitening          | 5             | 5               |
| <b>Ketchup</b> | <b>1 hour</b> | <b>Recovery</b> | <b>Lemon</b>       | <b>1 hour</b> | <b>Recovery</b> |
| Loss of Gloss  | 5             | 5               | Loss of Gloss      | 5             | 5               |
| Stain          | 5             | 5               | Stain              | 5             | 5               |
| Whitening      | 5             | 5               | Whitening          | 5             | 5               |
| <b>IPA</b>     | <b>1 hour</b> | <b>Recovery</b> | <b>Detergent</b>   | <b>1 hour</b> | <b>Recovery</b> |
| Loss of Gloss  | 5             | 5               | Loss of Gloss      | 5             | 5               |
| Stain          | 5             | 5               | Stain              | 5             | 5               |
| Whitening      | 5             | 5               | Whitening          | 5             | 5               |
| <b>Coffee</b>  | <b>1 hour</b> | <b>Recovery</b> | <b>Grape Juice</b> | <b>1 hour</b> | <b>Recovery</b> |
| Loss of Gloss  | 5             | 5               | Loss of Gloss      | 5             | 5               |
| Stain          | 5             | 5               | Stain              | 5             | 5               |
| Whitening      | 5             | 5               | Whitening          | 5             | 5               |

Note 5=pass, 0=fail

#### Sec. 10.0 Detergent and Water Resistance Test (Edge Soak Test)

NeoCryl XK-12 formula WB-4114 passed this test air dried and without external crosslinker.

#### FOR YOUR PROTECTION

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