FIRE RESEARCH LABORATORIES®

# CLEARCOAT II

## *ClearCoat II is a durable, water resistant, clear, Class A fire retardant varnish.*

*ClearCoat II protects against moisture,chemicals, UV rays and physical abuse, while maintaining the Class A fire protection. When exposed to flame or high heat, the coating puffs up to foam athick insulating cellular foam. This foam layer retards the penetration of heat, thereby reducing the flame spread and smoke development of combustible materials. Clear Coat II may be used as an exterior product when topcoated with Fire Research Top Coat A. When properly applied, this water-white clear product is designed to maintain the natural wood appearance.*

### Suggested Uses:

- Coating of raw or prefinished wood to prevent the spread of flames.
- Wall paneling, ceiling paneling, and similar substrates.

### Not Recommended For:

- Immersion service
- Floors or exposure to high traffic areas
- Exterior Use (without topcoating)
- High moisture areas

### Compatibility with Other Coatings:

Staining must be done with a non-bleeding, oil-base type stain prior to applying ClearCoat II. May be applied over prefinished wood if coating is in good, clean condition, check adhesion first.

### Resistance:

Weather: Poor (not topcoated)
Humidity: Good
Chemical: Good
Abrasion: Excellent

### Rating and approvals:

- Silver Star Saloon Restaurant
  Wood paneling
  ASTM-E-84-Class A
- Auschwitz Historical Preservation
  Poland
  Non-flammable Polish Standard
  Institute of Technology Budowlanej
- Apartment Complex
  Loft Ceilings
  ASTM-E-84-Class A

### Topcoating Information:

It is recommended that all surfaces subjected to excessive handling, washing or where a higher gloss finish is desired be topcoated. Allow ClearCoat II to completely cure prior to applying topcoat. TopCoat A provides improved moisture and abrasion resistance, durability, and cleansability.

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## Technical Data Sheet

### Storage Conditions:
Store in a dry, well ventilated area at 40 – to 120 – F.

### Surface Preparation:
All surfaces should be fully clean, dry and free of wax, dirt, and sanding dust. Porous surfaces should be sealed with a quality commercial sanding sealer. It is recommended to always test patch a small area prior to complete application.

### Viscosity:
25–30 sec ( Zahn 3)

### Reduction:
Do not exceed 1 pint per gallon

### Application Thinner:
Xylene

### Clean Up Thinner:
Xylene

### Application Methods:
Brush, roller or air–assisted spray. Apply in thin coats to avoid excessive build resulting in appearance problems.

### Cure Times: (at 70 – typical)
Dry to Recoat: 30 minutes
Dry to Touch: 1 hour
Dry to Handle: 8 hours
Through Cure: 3 days

### Dry Film Build:
5–6 mils total

### Coverage Per Gallon:
150 sq/ft (Typical Class A Rating)

### Wet Film Build:
4–6 mils per pass

### Gloss:
Flat and Satin

### Colors:
Colorless

### Weight Per Gallon: (Average)
9.33 pounds

### Volume Solids: (Average)
42% Average

### Weight Solids: (Average)
55% Average

### VOC (Max):g/L (lbs/gal)
503 (4.19)

### Flash Point:
40–F

### Shelf Life:
6 months

### Safety:
Consult the Material Safety Data Sheet for this product prior to use.

### Additional Comments:
All technical advice, services and recommendations are rendered by the Seller gratis. They are based on technical data which the Seller believes to be reliable. Seller assumes no responsibility for results obtained or damages incurred for their use by Buyer in whole or in part.

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