



FRC-421 TECHNICAL DATA SHEET

DESCRIPTION FRC-421 is an opaque, water-based fire protection coating. Acrylic copolymer resins enable FRC-421 to be used for both interior and weather-exposed surfaces.

FRC-421 should be applied to porous surfaces such as unprimed, uncoated wood and paper-faced products such as drywall. High-sheen wallpapers and oil-stained or varnished medium sheen surfaces are not suitable for FRC-421.

TYPICAL USES FRC-421 was developed to protect new wood and paper surfaces against fire, and where opacity is desired. Water-washed weathered wood may be appropriate.

SURFACE PREPARATION Surface must be clean and free of grease, oils, dirt and loose paint must be removed prior to coating with FRC-421.

MIXING Prior to application, FRC-421 should be stirred until uniform.

APPLICATION & CLEAN-UP FRC-421 may be applied by brush, dipping, or spray. Product can be thinned with potable water when using only enough to prevent runs.

Spray equipment should be flushed with warm water after use. Brushes should be cleaned with warm water. Adding liquid dish detergent to warm water is helpful.

FRC-421 should not be applied below 60 degrees Fahrenheit/16 degrees Celsius.

CURE TIME FRC-421 will be dry to touch within 30 minutes of application when ambient temperature is at or above 68 F/20 C. Applying a second coat is possible an hour after application as long as ambient temperature is at or above 68 F/20 C.

COVERAGE 100 – 150 square feet/9.3 – 13.9 square meters (depending on surface roughness and porosity) per coat. 2 coats required for 10 mil (0.01 inch/0.24 mm) dry-film thickness.

TESTS & CERTIFICATIONS

- FRC-421 has passed California State Fire Marshal 12-7A Method A Under-deck flame exposure testing (3-minute vertical gas flame burner)

PHYSICAL DATA

- Density: 9.3 lbs. /gallon
- Solids content > 35%
- Viscosity: thixotropic
- Product is alkaline; use protection for eyes and body.
- VOC less than 1%

SAFETY PRECAUTIONS Wear safety goggles when applying FRC-421. Especially when spraying. Rinse eyes with warm water if coating is in contact with eyes. Do not drink coating or eat dried coating. **NOTE: if ingested: Call for medical treatment.**

STORAGE & DISPOSAL Keep containers out of direct sunlight and out of reach of children and animals. Protect from freezing.

Water used to clean spray equipment, tools and left over containers of FRC-421 should be allowed to dry. Dispose of in an approved landfill.

INGREDIENTS

- Water
- Acrylic resin
- Silica sand
- Other components