

Selection & Specification Data

- Description** An innovative environmentally friendly clear fire retardant for applications over water absorbent substrates. Water- based, non-corrosive, and non-toxic.
- Features**
- Free of bromides, halogens, organic compounds and other banned or toxic substances. Non-toxic to humans & the environment; no toxic fumes or smoke released
 - When fire is present, treated materials will not ignite or spread flame. Fire is limited to its initial fuel source; afterglow is eliminated
 - Non-Corrosive. Prolongs life of seating structures; protects industrial machinery
 - Soft hand on textiles & leather, preserves natural look and finish of the material.
 - High heat transfer protection (HTP)
 - Takes less product to protect more. Solution is less expensive and lighter in weight
 - Easy application & clean-up; colorless & odorless

Physical Data

Appearance	10.21021 lb/gal
Density	1.22345
Specific Gravity	Clear to slightly hazy liquid
pH	6.7
Water Solubility	Complete
Odor Description	Odorless
VOC	0%

Testing / Certification

Listing FlameOFF FR Clear bears the UL Certification Mark for meeting the UL723/ ASTM E-84 Test for Surface Burning Characteristics of Building Materials (see UL Online Certifications Directory at www.ul.com/database for additional information).



*See UL Fire Resistance Directory R40252

Standards Tested To ASTM E84/UL 723
NFPA 701

Application Rates

Substrate	Strength	Dilution FR Clear: Water	Application Method	Rating Achieved
Wood	100%	None	Spray or Dip	E84/UL 723 Class A
Natural/ Cellular Fibers	50%	1:1	Spray	NFPA 701
Leather	50%	1:1	Spray *Back of hide. Do not spray face/grain.	NFPA 701
Natural/ Synthetic Blend	100%	None	Spray	NFPA 701
Synthetic Fibers	100%	None	Spray	NFPA 701

Coverage Rate 300 sq ft/gallon at full product strength

Curing During drying process, keep temps below 160°F. Do not use infrared heat, as this may cause chalking.

How To Apply FlameOFF FR Clear may be applied by using a size press, pad, dip, shower spray or spray bottle application. Usage rates of this product may vary between 300-600 SQFT/GALLON depending on pickup and type of material construction. The applicator is responsible to determine the method of application and amount to apply to meet the required standard on the materials needing to be protected. Surface must be dry to the touch prior to application.

FOR TEXTILE APPLICATIONS: A small fabric sample should be processed with FlameOFF FR Clear in order to test the suitability of the material to accept the product with no damage to the finish/appearance of the textile. Field tests may show that FR Clear maintains effectiveness over some textiles at lower concentrations. In such cases, the customer must perform additional testing to verify the suitability of a reduced concentration for their specific textile. Consult FlameOFF Coatings Technical Team for guidance.

Packaging, Handling & Storage

Shelf Life 12 Months

Shelf life when kept at recommended storage conditions (45-105°F/7-40°C, indoors, dry) and in original unopened containers.

Packaging 32 oz, 1 Gal, 5 Gal

Phone: (866) 598-8470 Email: info@flameoffcoatings.com Web: www.flameoffcoatings.com

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