

## Selection & Specification Data

**Description:** An innovative environmentally friendly clear fire retardant for applications over water absorbent substrates. Water-based 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
- 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
- Non-corrosive

## Physical Data

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

## Testing / Certification

**Listing:** NeroShield™ 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 [ul.com/database](http://ul.com/database) for additional information).



**Standards Tested To:**  
ASTM E84/UL 723 NFPA 701

## Application Rates

Substrate	Strength	Dilution <i>FR Clear: Water</i>	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 <i>*Back of hide. Do Not spray face/grain</i>	NFPA 701
Natural/ Synthetic Fibers	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:** NeroShield™ is applied by our team of licensed and certified applicators and is traditionally sprayed, dipped or painted on. Our applicators will determine the best method of application and amount to apply to meet required standard on materials being treated. Surfaces must be dry to the touch prior to application.

**For textile application,** a sample should be tested first to determine the suitability of the material to accept the product with no damage to the finish/appearance of the textile.

## 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:** 5 Gallon, 25 Gallon, 50 Gallon.