



NEROSHIELD

By



**PROFICIENT
COATINGS**



Who is

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YOUR WATCH**

A subsidiary of LV Iron & Steel

Proficient Coatings™ is the premier material coatings provider in Las Vegas. We are proud to have been selected as a strategic partner of Neroshield™. As a family-owned and operated company in Las Vegas for over 27 years, we have come to be known and trusted for exceptional service, superior quality and value, and dedication to our customers. We have completed coatings projects for the Allegiant Raiders Stadium, Binions Hotel Casino, The City of North Las Vegas, Clark County, Las Vegas Valley Water District, and thousands more. We have partnered with the brilliant minds at Neroshield™ to bring an industrychanging fire safety product to the Las Vegas area. There is nothing like it on the market, and it will change the fire retardation and mitigation standard forever.

Proficient Coatings™ has been in business for over 27 years. You can trust our technicians and the executive leadership to deliver on our contractual obligations with exceptional quality, effectiveness, and value. We will go above and beyond to earn, keep, and strengthen our professional relationship with your organization.

Who is NEROSHIELD ?

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A six-year-old chemical composition company focused on the development, manufacturing, and sale of advanced green-tech fire retardancy, specialty coatings, powders, and extinguishment for use in multiple market segments.

What is NEROSHIELD ?

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A green-tech, bio-friendly, eco-friendly, water based chemical composition that when applied to certain substrates, binds to, and penetrates the material's surface at a molecular level, creating an effectively flame-resistant material that resists flame and smoke spread with the highest efficacy.

How Does **NEROSHIELD** work?

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When applied to most substrates, **Neroshield™** penetrates the material surface at the molecular level via its proprietary, nano-technology. This characteristic makes **Neroshield™** unique in the fire protection industry, as it is not a one-dimensional coating that protects or shields as its singular strength. Adhesion and fire resistance properties when isolated, fall short of the scientifically advanced safety performance bar that **Neroshield™** has set.

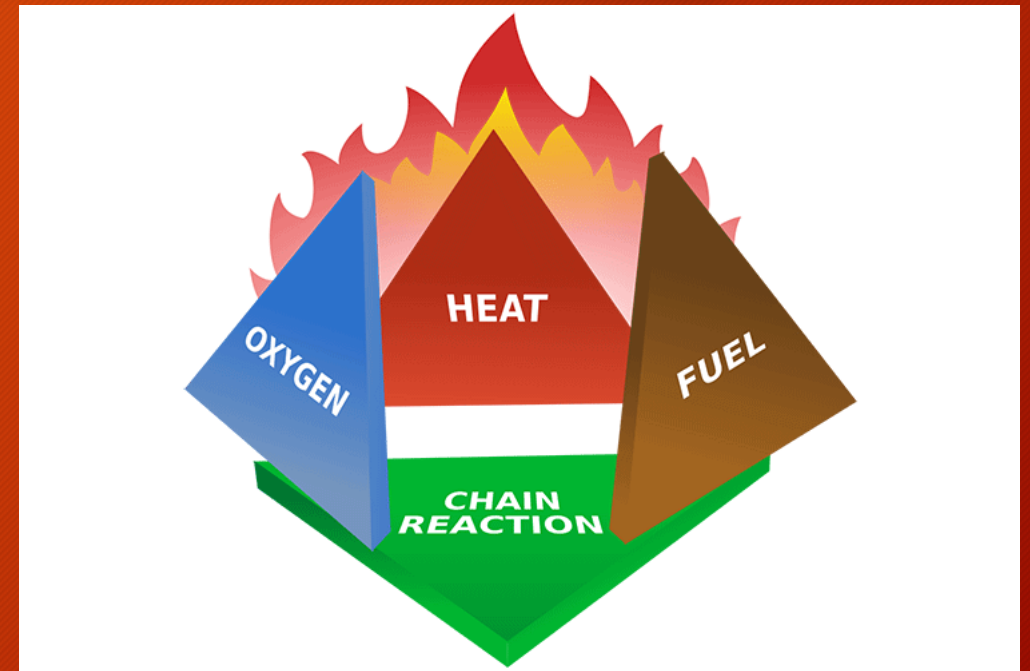
Our unique binding feature is a force multiplier that maximizes the protections granted by the other qualities of **Neroshield™**.

How Does NEROSHIELD work?

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The four (4) critical elements of fire are:

1. Fuel
2. Heat
3. Oxygen
4. Chain Reaction



*This is referred to as the Fire Tetrahedron. Each of these elements must be present for fire to begin and maintain.

How Does NEROSHIELD work?

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The four (4) primary elements of fire retardation are:

1. Heat Deflection (HDT)
2. Heat Absorption Exchange (HAE)
3. Dissipation Transference (Wasting of Energy)
4. Self-Extinguishing Source Limitation (SSL)



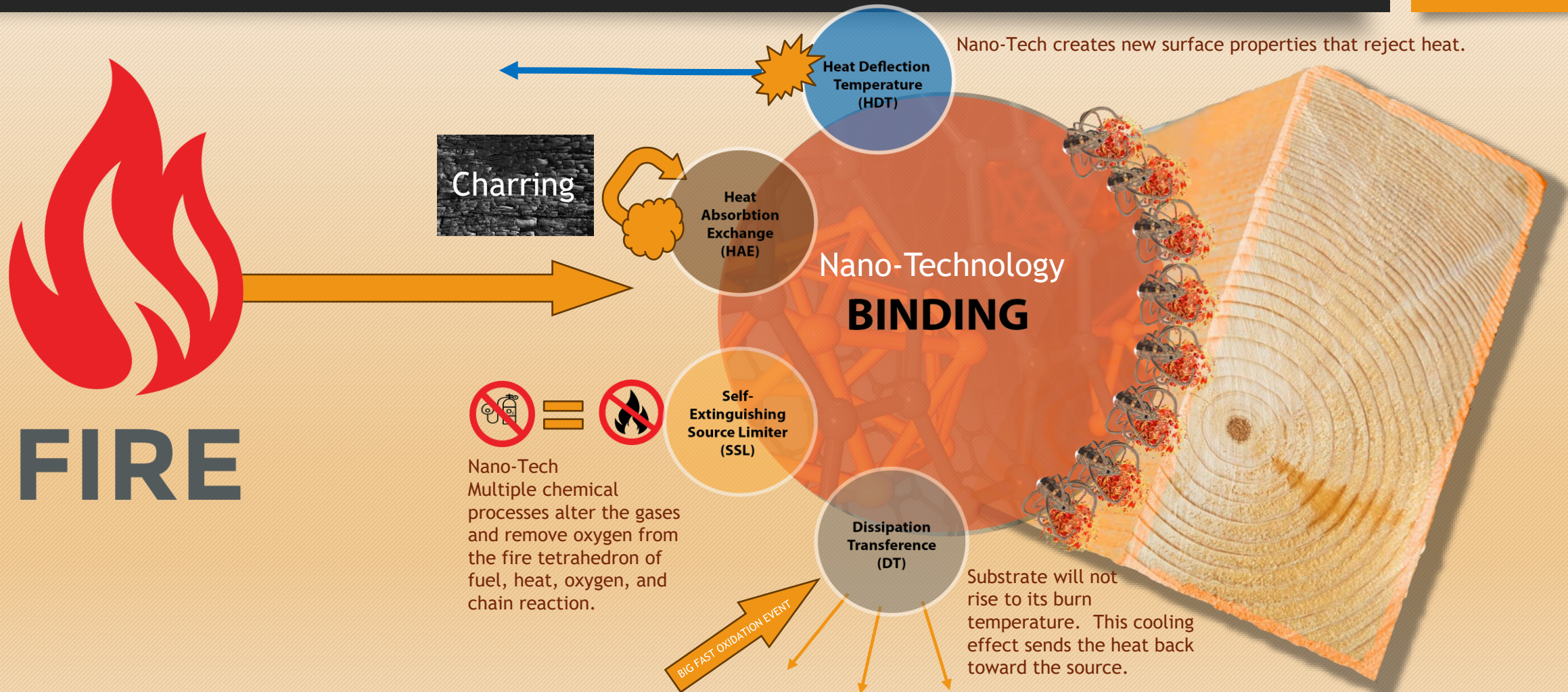
How Does NEROSHIELD work?

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How Does NEROSHIELD work scientifically?

**NOT ON
YOUR WATCH**



What could  NEROSHIELD have done?

**NOT ON
YOUR WATCH**



What could NEROSHIELD have done?

**NOT ON
YOUR WATCH**



What can NEROSHIELD do for you?

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- **Protection of Structural Members**
- **Lintels**
- **Horizontal Assemblies (Roofs, Ceilings, Subfloors)**
- **Substitution for Fire Retardant Treated Wood (FRTW)**
- **Opening Protectives**

- **STEEL COLUMNS & BEAMS**
- **WALL / PARTITION ASSEMBLIES**
- **HORIZONTAL ASSEMBLIES (Roofs, Ceilings, Subfloors)**
- **EXTERIOR WALLS**
- **TEXTILES**
- **RETRO-FIT**

What can  **NEROSHIELD** do for you?

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STEEL COLUMNS & BEAMS

All columns and beams can be treated in the shop during the fabrication process. These structural steel Members can be delivered, erected, and spot treated.

- No more messy Monokote®
- No more time consuming intumescent paint



What can  **NEROSHIELD** do for you?

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Vertical Wall Assemblies & Partitions

Wall assemblies can be treated at the stud level and the drywall. Most often, thinner sheets of drywall can be utilized to obtain the required burn rating. This saves money and time.

Horizontal Walls-Subfloor Assemblies

It is unnecessary to use heavier, labor intensive layers of drywall to obtain the fire rating that is required for your project. a Neroshield™ treated assembly will deliver and for less.



What can  **NEROSHIELD** do for you?

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Exterior Walls That Require Expensive FRTW



Can be an accepted replacement for FRTW.
No structural degradation due to high pressure injection allows treated plywood and OSB to be used in load bearing assemblies, where FRTW cannot. No exorbitant costs incurred



Why should we use  NEROSHIELD ?

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GOOD FOR THE WORLD

- Bromide Free
- No Halogens
- No Banned or Toxic Substances
- Non-Corrosive
- Third-Party Tested



What certifications does  **NEROSHIELD** carry?

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What testing has NEROSHIELD had?

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ASTM E119/UL 263

Standard Test Methods for Fire Tests of Building Construction and Material

CAN/ULC S-101

Fire Endurance Tests of Building Construction and Materials

ASTM E84/UL 723

Surface Burning Characteristic of Building Materials

CAN/ULC S-102

Standard Method of Test for Surface Burning Characteristics of building Materials and Assemblies

NFPA 701

Standard Methods of Fire Tests for Flame Propagation of Textiles and Films

CAN/ULC S-109

Flame-Resistant Fabrics and Films

ASTM E84

Interior Finish, Decorative Materials

CAL TB 117

(UFAC Class 1 & NFPA 260)

MVSS 302

Flammability of Interior Materials

FAA/FAR 25.853.a

Flammability Requirements for Aircraft Seat Cushions

What testing has NEROSHIELD had?

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ASTM D6413

Standard Test Method for Flame Resistance of Textiles and (Vertical Test)

ASTM F2700

Standard Test Method for Unsteady-State Heat Transfer Evaluation of Flame-Resistant Materials for Clothing with Continuous Heating

ASTM D3776

Standard Test Methods for Mass Per Unit Area (Weight) of Fabric

ASTM D3776

Standard Test Method for Thickness of Textile Materials

Required by NFPA 2112, the industry standard on flame resistant garments and protective clothing of industrial personnel against flash fire

How do we apply NEROSHIELD ?

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PROFICIENT COATINGS HAS AN APPLICATIONS TEAM THAT WILL TREAT IN THE FIELD AND IN THE LV
IRON & STEEL MANUFACTURING & FABRICATION SHOPS.

Spray-on application for most construction use

Coordinated Treatment

Professional Field Technicians

Industry Leading Service

Highest Rated Equipment

How much does  NEROSHIELD cost?

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\$5.60 Per Square Surface Area Foot*

Includes Neroshield™ product and application.

*Starting price based upon wood treatment, no OSB or structural steel.



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