NanoTech Materials Wildfire Shield

Non-Sacrificial, Fire Mitigation Coating

DESCRIPTION:

NanoTech Materials Wildfire Shield is a high-performance, elastic, polymeric coating formulated with NanoTech's patented additive used to strengthen the fire resistance of assets against fire. As a result of this product's high reflectance and high emissivity values as well as its low thermal conductivity constant, the product acts to directly protect the substrates and reduce the heat absorbed from structures exposed to impingent flames and radiant heat. With the triple properties acting as a high temperature thermal barrier, this product is highly efficient. Ultimately reducing the degradation caused by impinging flames or radiant heat onto coated materials.

FEATURES:

- **Color:** White, Various
- **Finish:** Flat
- **Volume Solids:** 75%
- **Recommended Film Thickness:** 50 - 250 Wet Film Thickness; 40 - 200 Dry Film Thickness
- **Theoretical Coverage Rates:** 200 sq ft per 5 gal @ 39 mils thick - no loss factor
- **VOC:** Low VOCs

TESTED:

- ASTMD E84
- ASTM E119
- ASTM E162
- ASTM E662
- ASTM G124

APPLICATION CONDITIONS:

- **Surface Temperature:** 41°F (5°C) Minimum; 120°F (49°C) Maximum; Surface temperature shall be at least 5°F (3°C) above the dew point.
- **Product Temperature:** 41°F (5°C) Minimum; 100°F (38°C) Maximum
- **Relative Humidity:** The humidity conditions will drastically affect the drying times and recoat window of the product.
- **Dry Time:** Consult your NanoTech Materials Sales Representative
- **Surface Burning ASTM E84:** Class A; Flame Spread 0; Smoke Development 0
- **Storage Temperature:** 41°F (5°C) Minimum; 100°F (38°C) Maximum
- **Mixing Instructions:** Agitate well using a helicoidal paddle at high rpm prior to use for at least 10 minutes.
- **Solids by Weight:** 65%
- **Weight per 5 Gallon:** 33 lbs (15kg)
- **Weight per Drum:** 321 lbs (145.5 kg)
- **Thinning/Reduction:** As needed with water up to 10% by volume.
- **Clean Up:** Water
- **Shelf Life:** 12 Months