



DualDefense (TM) Tank Insulation System

- Impact Nanotek
- Ultimate Fire & Thermal Protection for Petrochemical Storage Tanks

Technical Specifications

- - Thermal Conductivity (K-Value): 0.045 W/m·K
- - Corrosion Resistance: Excellent –
Hydrophobic matrix resists moisture ingress
- - Fire Resistance: Class A rated – Withstands
direct flame >1000°C
- - Abrasion Resistance: Exceptional –
Sandstorms, UV, traffic
- - UV & Chemical Durability: Superior

Why It Matters

- - Integrated system – No jacketing or seams to fail
- - Reduces energy loss, corrosion, fire hazard
- - Proven 20+ year track record with upgraded chemistry
- - Excels in extreme conditions

Performance Comparison

• Attribute | DualDefense | Traditional Systems

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• Insulation | Excellent | Good

• Corrosion Resistance | Excellent | Fair

• Fire Resistance | Excellent | Fair

• Abrasion/UV | Excellent | Poor

• Installed Cost (Lifecycle) | Competitive | Higher

Applications & Contact

- - Fuel & chemical storage tanks
- - Refineries & petrochemical facilities
- - Offshore & desert environments

- Contact: info@impactnanotek.com