

### **COMPREHENSIVE SOLUTIONS**



Setting Performance Standards

GLOBAL EXPERTS, LOCAL SOLUTIONS



### **ABOUT NUKOTE COATING SYSTEMS**

Nukote Coating Systems is part of the most reputable and innovative global manufacturer of comprehensive industrial protective coating solutions. Our domain of expertise caters to the full range of industries, with a clientele that includes major private and public sector commercial, industrial and petro-chemical companies from across the globe.

Nukote Coating Systems has a unique approach, the basis of which lies in Nukote's ability to develop, adapt and apply its solutions in all global regions and environments. This is made possible only through a continuous emphasis on cultural research, analysis of regional environmental variables and innovation in product development.

Nukote has successfully carried forward this legacy of innovation and excellence and established itself as the leading protective coating solutions provider for a wide range of industries globally. The company's success is well documented, with a long list of successful, challenging and technically complex projects to our credit.

Given the unique nature of our global markets, it was imperative that we create an entity with global capabilities, that could draw from a wide array of regional expertise and resources, thus meeting the local demand. This global network had to include a complete understanding of, and ability to cater to, the specific and unique requirements of our clients and industries on a local basis.



Global capabilities require a global presence, hence the development of regional manufacturing entities which support the regional distributors, who in turn support the regional qualified application contractors, who in turn service and support the clients locally. This global network of Nukote entities, which are coordinated globally through Nukote International, allows us to develop and apply unique coating solutions to our global clients, within a very wide range of industries, under an even wider range of environmental and cultural conditions, while maintaining the product and application quality and integrity that our clients have come to expect.

SUPERIOR PRODUCTS + EXCELLENT SERVICE + QUALIFIED APPLICATIONS = PROVEN SOLUTIONS



#### WHY NUKOTE COATING SYSTEMS?

Nukote Coating Systems is a customer service focused organization, ensuring solutions deliver the desired results at every level and within defined budgets. Our primary achievements and offerings include:

- 75 product formulations, manufactured in facilities adhering to ISO standards
- Cutting edge, long lasting solutions at competitive pricing and value
- Global Network of International Authorized Distributors servicing clients regionally
- Global Network of Nukote Certified Qualified Applicators maintaining application quality regionally
- Detailed method statements and specifications assure applied solution quality to the customer
- Customized products and solutions for major projects that require specialized solutions
- Continued research and development to upgrade existing products and create new ones
- A proven track record of successful projects in over 100 countries

#### **TOTAL CUSTOMER SUPPORT**

To support its extensive global distribution and client network, Nukote invests substantially in training and certification of technicians and applicators, ensuring local qualified customer service. Technicians are trained to liaise with the clients, representatives and engineers working on the projects, to evaluate and recommend both the products as well as the specific application details required. Apart from their technical expertise, they are also well versed in the salient points of local industrial by-laws and statutes. NCS maintains an in-house team of diverse technicians, applicators and project managers to directly respond to queries from clients or tackle critical issues.





### **ABOUT NUKOTE COATING SYSTEMS**

### Overview of the Products

Nukote Coating Systems manufactures and distributes a complete line of High Performance Coatings, which encompass 75 different proprietary formulations that include Aromatic, Aliphatic and Aspartic Polyureas, Polyurethanes, Ceramic Metal Polymers and Composites.

Customized variations of the formulations are available (for niche product use) with the option of more complex or customized versions of the formulations from Nukote Laboratories. Nukote products are widely utilized and commonly specified in major coating, liner and membrane projects on a global scale.

Nukote products are designed for a wide range of industries and requirements which include; Corrosive Chemical Exposures, Submersed or Partially Submersed Conditions, Severe Weather, High Ultraviolet Exposures, High Impact, High Abrasion, Agressive Marine Environments, etc.

#### MANUFACTURING AND DISTRIBUTION

Nukote Coating Systems' manufacturing facilities adhere to stringent ISO and rigorous quality control standards that are applied at every stage of production, encompassing; the selection of raw materials, formula development, blending, post blending and delivery. As a customer you can be assured that each batch of product that leaves a Nukote Coating Systems facility, exceeds published performance specifications.

The products are manufactured from state of the art facilities in the United States, Middle East, India and Asia.

The Nukote distribution chain comprises a network of international distribution facilities located strategically across the globe.

### RESEARCH AND DEVELOPMENT

Research and Development is the defining parameter of Nukote Coating Systems. Despite having a range of products that are acknowledged as "the best in the industry," Nukote Coating Systems continues to look ahead and reinforces its claim as the leader in its field, by working on fifth and sixth generation polymers, utilizing processing technology and raw material supply chains that are unsurpassed in the industry.

NCS continues to attract the best research professionals in the field, owing to its well known commitment to research and development. Driven by its philosophy of "creating an entity which transcends its identity as just another successful business model," Nukote continues to establish itself as an icon of innovation that succeeds where others fail.



### **ABOUT NUKOTE COATING SYSTEMS**

# **Advanced Polymer Solutions for Oil, Gas & Chemical Industries**

A major cost component of the exploration and extraction of natural gas and petroleum, is safe and secure storage and transportation. Nukote Coating Systems has taken giant strides in this area through the creation of formulations and products, that are acknowledged by the leading companies in the field, to be more effective against a wide range of corrosive elements, while extending asset longevity. These benefits add value to our clients through the substantial reduction of long term maintenance expenses, and extending the time frame for replacement of the protective coating system.

# **Key advantages of Nukote products designed for the Oil and Gas or Chemical industries**

- Wider range of fit-for-purpose products for both internal and external applications
- Customized variations in products to cater to a larger spectrum of corrosive elements
- Speed of application minimizing downtime
- Longer lasting extending asset longevity
- Higher performance properties for heavy abuse
- Lower maintenance and replacement costs







### **Products**

Nukote products include formulations that are commonly specified for pipeline applications for the oil and gas, chemical and infrastructure sectors. These products provide enhanced internal and external corrosion protection for both onshore and offshore applications.

Specialized solutions are available in submersed, rack (above ground) and direct burial conditions. These products are applicable for both external and internal purposes. Nukote offers localized services through authorized affiliates in major locations ensuring performance capability in any goegraphic or environmental condition.

### **Bulk Carrier Products**

Bulk carriers transporting petrochemicals and/or abrasive materials present their own unique set of challenges.

Nukote has a range of cost effective formulations, which are proven performers for transporting corrosive chemicals, iron ore, coal, grains and crude or refined petroleum products (in sweet and sour conditions).





### **Primary and Secondary Containment Systems**

These formulations are commonly utilized for both the interiors and exteriors of steel or concrete storage tanks, basins or pits, which are designed to contain; various grades of crude or refined petroleum, potable water, salt water, industrial and commercial waste water (sewage), and a wide range of chemicals.

The coating formulations recommended for these containment systems are designed to provide extended long term protection against both "natural" (climatic condition) and "man-made" (industrial effluents, gases, etc.) corrosive forces that are common in applications for this industry. Nukote formulations are available for either concrete or steel substrates, with documented application methodologies readily available, including recommendations for proper product selection and desired film thickness, which are specific to a variety of project specifications.

Nukote product offerings in this category also include composite membranes (special polymers and geo-textile fabric combinations), that provide durable and seamless protection for secondary containment bunds, lakes, canals or ponds. These systems are applicable on concrete substrates or compacted soil.

# **Processing Facilities and Systems**

Nukote provides special coating formulations designed for industrial process systems and refinery components; air separators, sludge tanks, process equipment, etc. These formulations provide enhanced resistance to both chemical corrosion and elevated temperatures, when compared to traditional coating or liner products.

Nukote also has a complete range of products designed for use in offshore facilties and rigs and their distribution systems, including external and internal coatings for negative buoyancy sub-sea pipelines, offshore rig applications, splash zones, helipads, drill decks, accommodations, equipment rooms, etc.



### **Civil and Infrastructure Systems**

The recent advent of dynamic economies in the Middle East, India, South America, Africa and China, combined with the further development of Europe and North America, has resulted in both new construction and expansion of infrastructure facilities including; ports, bridges, tunnels, power generation, potable water and waste water.

This dynamic is posing some tough questions for the owners, designers and contractors involved, leading to a review of accepted norms. Nukote, with its extensive research and development resources, has played a crucial role in developing coating solutions designed to meet this need. Nukote products have been associated with many of the most prestigious global projects, delivering reliable solutions that have resulted in new industry standards. These standards include the development and approvals for innovative system solutions for applications including; renovation of nuclear power generation plants, renovation of subgrade structures, accelerating the cure of new concrete placement, suspension bridge cable systems and many more.





# Key advantages of Nukote products designed for Civil and Infrastructure Applications

- Replacing old liner technologies with more effective systems
- Improved safety during bores and use of tunnels
- Long lasting solutions designed to meet specific process requirements
- Fast track application times to coincide with maintenance shuts requirements





# **Bridges and Tunnels**

Nukote has developed products in this category which have unique physical properties, including; high levels of impermeability, extended longevity, exceptional resistant to sunlight, and performance in extreme temperatures. These properties are highly desirable in many global regions.

These advanced features of Nukote products find their applications in a wide variety of construction applications including those related to bridges and tunnels.

Proven Nukote solutions for bridges include; waterproofing of flotation structures, waterproofing of submersed structures, corrosion resistance of steel and concrete components, waterproofing bridge decks below asphalt pours, stable color finishes for visible components, etc.

Proven Nukote solutions for tunneling include; waterproofing of bores, waterproofing of cut and fill structures, anti corrosion for rail support structures, critical metallic frameworks and support components.





# Water Processing Plants (Waste and Potable Water)

Nukote manufactures safe coating and membrane composite products for potable and waste water treatment plants. The products are designed to cater to varying degrees of acidity and alkalinity in treatable water, ensuring optimum lifespan of equipments and storage facilities. These products carry certified drinking water approvals in 20 countries. Common applications include; sewage treatment process basins and piping, drinking water process basins and piping, drinking water storage tanks, etc.

### **Chilled Water and Power Generation**

The requirements of power generation facilities vary dependent on their type. Nukote formulations have proven track records in coal fire, nuclear, hydro-electric and gas fired power generation facilities. Different products are specified for the unique operating conditions related to each facility. Typical desirable features are; resistance to chemicals, resistance to sea water, resistance to abrasives and performance in high pressure and flow conditions. In Chilled water storage and distribution proprietary foam insulations and coating composites are typically required. These composites bond with the surface of storage containers to create a seamless surface with homogeneous properties. These Nukote products have a proven track record of providing the multifaceted advantage of reducing energy consumption by preventing heat gain, combined with the requisite standard functions of corrosion control and waterproofing.



### **Mineral Extraction and Process Solutions**

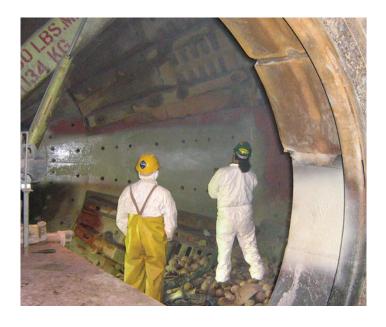
The mining industry is constantly changing with maintenance and repair operations being of primary importance with expansion of process operations critical when mineral pricing is strong. Nukote products have been utilized in mining applications globally for many years with proven historical performance well documented.

Nukote specializes in maintenance shuts for mines, which require products that perform in heavy impact, high abrasion, high erosion and in high chemical corrosive exposures. In addition, these applications are time critical due to the high cost of shutting operations for maintenance works. Nukote has specialists that work under these conditions, continuously and in all global locations, with strong client references confirming both product suitability and application performance under harsh conditions and time constraints.

Nukote also provides unique products for the stabilization of tunnels during the bore. These products are injected into the surrounding substrate and both stabilize them and reduce or stop flowing ground water, providing expedited tunneling process times and creating a safer environment.

### Key Advantages of Nukote Products designed for Mineral Extraction and Process Facilities

- Replacing old liner technologies with more effective systems
- Improved safety during bores and use of tunnels
- Long lasting solutions designed to meet specific process requirements
- Fast track application times to coincide with maintenance shut requirements







### **Commercial and Industrial Construction**

The Nukote Aegis System<sup>™</sup> was designed and formulated to provide an innovative solution for the renovation of new concrete structures and waterproofing and protection for new concrete structures. This system protects and waterproofs the concrete substrate itself and includes a composite liner system to contain the most onerous domestic and industrial waste chemistries.

Commercial and Industrial Construction is one of the primary market segments of Nukote Coating Systems. We have a wide range of products designed for use in this segment, from formulations for basic foundation waterproofing to car park decking systems to systems that combine waterproofing with architectural finish properties.

Our Construction coating solutions are associated with the most prominent projects globally including; Marina Bay Sands Singapore, Belle Grand Casino Philippines, Dodger Stadium Los Angeles and Prince Khalifa Park Bahrain, thus redefining the levels of technical excellence.

### Key advantages of Nukote products designed for Commercial and Industrial Construction

- Monolithic and impermeable with no layering
- Rapid curing systems that allow for faster construction schedules allow for next day use
- High physical and processing properties (high chemical and abrasion resistance) while maintaining flexibility
- Moisture insensitivity.
- High service temperatures (-50 to 160°C) depending on product.





# **Deck coating systems**

Nukote parking and pedestrian deck coating solutions provide durable protection levels that far surpass any other product in the market. Specific products for light and heavy abuse areas exceed the standard requirements for waterproofing, color stability, traction and finishes. These coating systems provide the same seamless and monolithic attributes common to all Nukote products and apply quickly and easily.

Nukote deck coating systems are available in standard, plural component spray formations and in roll and brush grade formulations. Both formulation types are available in aromatic and color stable aliphatic formulations.

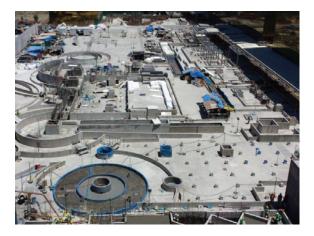


### **Flooring Systems**

Nukote offers a range of formulations designed for commercial and industrial flooring applications. Nukote flooring applications cater to a wide range of industrial and non-industrial facilities ranging from aircraft hangers, chemical manufacturing plants, warehouse floors to industrial kitchens and food processing facilities.

Nukote floor coating systems are designed to provide protection in both light and heavy duty industrial as well as commercial set-ups. Depending on the projected degree of abuse, the coating thickness can be adjusted to provide varying degrees of protection and finishes (smooth or non-slip). These flooring solutions are available in customized formulations with relevant durability properties fit to specific project requirements.

Nukote also manufactures floor coating products for the chemical process industry. Apart from the standard features of Nukote industrial flooring systems, these solutions have the added advantage of being highly resistant to chemical corrosion. They are also commonly specified in clean room environments and food process industries.





# **Roofing Systems**

Nukote coating solutions for roofs are fast curing spray applied systems, which have the unique ability to adhere to even the most intricate and complex modern architectural designs without runs or sags. These solutions are commonly specified on high profile roofs that are also architectural finishes such as stadiums, museums and other landmark projects

Nukote polymer geotextile composites are preferred where an overlay of an existing roof will remain (the system is mechanically attached). Both systems can be applied directly over sheet or spray applied insulating foams creating a seamless polymer composite that waterproofs, insulates and protects for decades.

Nukote fire rated composite systems can be spray applied, and provides the user with the choice of opting for ICBO class-1 or class-2 ratings as per industry requirements.

# **Waterproofing Systems**

Nukote produces a variety of spray applied polymer systems for waterproofing applications protecting partially and/or wholly submerged structures.

These waterproofing solutions are available in a wide variety of formulations, classified by the desired method of application (spray, roller or brush), extent of abrasive forces, hydrostatic pressures and the degree of waterproofing required. For complete waterproofing solutions these products are used in combination with alternate sidewall protection formulations.



# **GLOBAL SOLUTIONS**



Railcar Coating Project USA



Mitsubishi Heavy Industries Urea Project Algeria



Manhole Restoration USA



Sewage Treatment Chile



Medupi Power Plant South Africa



Mitsubishi Heavy Industries Urea Project Oman



Western Power Fire Rated Project
Western Australia



#### **LOCAL EXPERTS**





Bangalore Sewage
Distribution Pipeline India

Belle Grande Casino Philippines





Marina Bay Sands Project Singapore



Sydney Harbor Bridge Project
Australia

# **Total Customer Support**

To support its extensive global distribution and client network, Nukote invests substantially in training and certification of technicians and applicators, ensuring local qualified customer service. Technicians are trained to liaise with the clients, representatives and engineers working on the projects, to evaluate and recommend both the products as well as the specific application details required. Apart from their technical expertise, they are also well versed in salient points of local industrial by-laws and statutes. NCS maintains an in-house team of diverse technicians, applicators and project managers to directly respond to queries from major clients or tackle critical issues



### **Fast Set Polymers**

Nukotes core product line is primarily comprised of high performance, fast setting, elastomeric polymers that include; pure polyureas, pure polyurethanes and hybrids, which combine the features and benefits of these two different chemistries.

The differences in the two chemistries allow us to provide adjustable levels of physicals properties, which can then be designed to meet our clients specific requirements; chemical resistance, abrasion resistance, tensile strength, impact resistance, fire resistance, elongation, permeability, etc. This can be achieved while maintaining the desirable common features and benefits of both chemistries.of technical excellence.

The features common to both of these chemistries are fast-gel and cure times, moisture-insensitivity, high physical properties, flexibility, excellent adhesion to a variety of substrates and long performance life.

#### **Fast Reaction Time**

Nukote polymers have reaction times (variable range of 3-20 seconds) that are faster than traditional coating products, allowing for minimal down time for coated areas.

# **Moisture and Temperature Insensitivity**

Nukote polymers are not sensitive to moisture and temperature variances, allowing for continuous application even in extreme environmental conditions, from tropical to sub-artic.

### **Excellent Adhesion**

Nukote polymers adhesion levels are outstanding, surpassing those provided by traditional products, while assuring the end-user of longer lasting protection, regardless of the substrate.

# **Superior Elongation & Tensile Strength**

Nukote polymers higher combination of elongation and tensile properties, are ideal where thermal cycling is present (substrate shifting or movement due to temperature swings). These features are not just desirable but required with concrete substrates in most regional climates.

#### NUKOTE PRODUCTS



# **Volatile Organic Content**

Nukote polymers are formulated to contain either low or zero levels of volatile organic content (VOC). This feature ensures that the products cure even in the most severe environments and is desirable in applications where chemical contamination is not acceptable due to manufacturing process requiremens of the client or to comply to rigid health and safety standards, e.g. applications in potable-water and food processing or beverage manufacturing industries.

The features common to both of these chemistries are fast-gel and cure times, moisture-insensitivity, high physical properties, flexibility, excellent adhesion to a variety of substrates and long performance life.

# **High Abrasion Resistance**

Nukote polyureas antiabrasion properties protect surfaces to which they are applied, even in extreme conditions ranging from interiors of cement mixers, ore transportation rail cars and barges, or any where high abrasion or erosion is both intense and constant.

# **Stability**

Nukote polyureas are designed to out perform project design life terms, regardless of exposures to weather, ultraviolet light, salt spray, etc.88

### **Environmental Protection**

Nukote polyureas are approved for use even in areas demarcated as environmentally sensitive. The products are 100% inert after application and are often used in projects requiring a barrier to contain chemicals and wastes from entering the ecosystem.



### **Ceramic Metal Polymers**

Nukote's Ceramic Metal Polymer formulations comprise another major part of the Nukote Product line. These products are specified in applications with extreme corrosion, abrasion, or elevated temperature exposures, and in many cases, a combination of these extremes. This product group is formulated from proprietary technology using heavy metals and ceramics in solution to provide elevated temperature resistance, chemical resistance and abrasion resistance at the same time.

Nukote Ceramic Metal Polymers are formulated to provide resistance to; corrosion, abrasion, and onerous chemistries on metal or concrete surfaces, at elevated temperatures up to 200° Centigrade. This range of products provides excellent protection in a variety of conditions and industries including; petrochemical, marine, power and heavy manufacturing industries. These products come in trowel, brush and spray grades and include the specific formulations of Nukote Metalshield and Nukote Chemshield.

Nukote HLT and Nukote HPT are unique products designed for use on substrates that contain Portland cement. These products are applied to and absorbed by the concrete substrate filling the pores of the concrete providing a substrate that will resist the ingress of water from outside the structure, protect the structure from hydrostatic pressures and significantly reduce the potential for osmotic blistering.

Nukote HLT and Nukote HPT are applied directly to the concrete substrates and can be utilized as a stand-alone concrete protection system or in combination with other Nukote coatings and liners to provide a complete structural protection and waterproofing system. The products are also used at time of pour to expedite the cure of placed concrete to allow for placement of liners, or flooring or secondary construction within 48 hours of pour.

#### NUKOTE PRODUCTS















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Nukote Products	Formulation	Tensile Strength ASTM D412 (MPa)	Elongation ASTM D412 (%)	Hardness ASTM D2240 Shore A/D (Mpa)	Flexibility ASTM 1737 Mandrel (2mm)	Water Absorption ASTM D471 (D570)	Crack Bridging ASTM C836 1.6mm (25 cycles)	Tear Strength ASTM D624 Die C (KN/m)	Impact Resistance ASTM G14	Fire Rating UBC	Dry Service Temperature	Abrasion Resistance ASTM D4060 Taber C17 Wheel (1 kg/1000 rev)	U-V Rrsistance ASTM G53
Nukote AL	Aliphatic Polyurea	20 - 25	400 - 450%	D:40 - 45	Pass	< 0.5%	Pass	70 - 75	> 100	Class 2	-30°C to100°C	<35 mg	Very Good
Nukote ALU	Aliphatic Polyurethane	25 - 28	200 - 300%	A: 85 - 95	Pass	<2%	NA	NA	NA	Class 2	-3°C to 80°C	NA	Very Good
Nukote ARU-S	Aromatic Polyurethane	15.2±1	920 - 650%	A: 75 - 85	Pass	<2%	NA	47 - 58	NA	Class 2	-3°C to 80°C	NA	Good
Nukote BM	Aromatic Polyurea	21 - 23	%002 - 009	A: 80 - 90	Pass	<0.5%	Pass	75 - 80	> 201	Class 2	-30°C to120°C	<30 mg	Good
Nukote CG	Aromatic Modified Polyurea	18 - 20	200 - 250%	D: 50 - 60	Pass	<0.5%	Pass	65 - 70	>207	Class 2	-30°C to120°C	<15 mg	Good
Nukote Chemshield FC	Ceramic Metal Polymer	30 - 35	3 - 5%	D: 90	Pass*	<0.3%	NA	NA	5 - 7 (Izod D256)	Class 1	175°C	<45 mg	Good
Nukote Chemshield TG	Ceramic Polymer	30 - 35	3 - 5%	D: 90	Pass*	<0.3%	NA	NA	5 - 7 (Izod D256)	Class 1	175°C	<45 mg	Good
Nukote FR	Aromatic Modified Polyurea	11 - 13	40 - 50%	D: 45-55	Pass	<0.5%	Pass	60 - 65	>201	Class 1	-30°C to120°C	<25 mg	Good
Nukote HAR	Aromatic Modified Polyurea	21 - 25	250 - 325 %	D: 40 - 45	Pass	<0.5%	Pass	99 - 09	>201	Class 2	-30°C to120°C	<0.8 mg	Good
Nukote HCR	Aromatic Modified Polyurea	19-21	40 - 50%	D: 60 - 65	Pass	<0.5%	Pass	40 - 45	>101	Class 2	-30°C to 120°C	<15 mg	Good
Nukote HLT	Collodial Silicate	NA	NA	NA	NA	<0.2%	Excellent	NA	NA	NA	NA	Excellent	Very Good
Nukote HPT	Collodial Silicate	NA	NA	NA	NA	<0.2%	Excellent	NA	NA	NA	NA	Excellent	Very Good
Nukote HT	Aromatic Polyurea	23 - 28	350 - 450%	D: 50 - 55	Pass	<0.5%	Pass	75 - 80	>201	Class 2	-30°C to120°C	<10 mg	Very Good
Nukote HTD	Aromatic Polyurea	19 - 22	275 - 350%	D: 60 - 65	Pass	<0.5%	Pass	50 - 55	>201	Class 2	-30°C to120°C	<15 mg	Good
Nukote Hydroseal SG	Asphaltic Polyurethane	4 - 4.5	900 - 220%	A: 50 - 55	Pass	(<1.5%)	Pass	10-11	> 100	Class 2	-20°C to 90°C	<35 mg	Poor
Nukote Hydroseal H	Asphaltic Polyurethane	2.25-2.50	390 - 470%	A: 10 - 14	Pass	(<1.5%)	Pass	9-11	> 100	Class 2	10°C to 70°C	NA	Poor
Nukote Hydroseal V	Asphaltic Polyurethane	1.20-1.25	370 - 450%	A: 11 - 15	Pass	(<1.5%)	Pass	9-11	> 10J	Class 2	10°C to 70°C	NA	Poor
Nukote I-Gard	Aliphatic Modified Polyurea	22.1±1.4	440 - 460%	A: 80 - 90	Pass	(1.3%)	Pass	50 - 56	> 15J	Class 2	10°C to 70°C	<15 mg	Very Good



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Nukote IM129	Aromatic Polyurethane	2-9	350 - 550%	A: 55 - 65	Pass	(1.3%)	Pass	17 - 35	>12 J	Class 2	10°C to 70°C	<20 mg	Good
Nukote JF 80	Aromatic Polyurea	10-11	912%	A:80 / D:27	Pass	<0.5%	Pass	60-65	> 15J	Class 2	-30°C to150°C	21 mg	Good
Nukote JF HM	Aromatic Polyurea	14-15	550 - 650%	A: 76 - 84	Pass	<0.5%	Pass	66 - 83	> 15J	Class 2	-20°C to 90°C	21 mg	Good
Nukote JF JFR	Aromatic Polyurea	2.76±0.35	890 - 910%	A: 10 - 20	Pass	<0.5%	Pass	6 - 15	> 15J	Class 2	-20°C to 90°C	21 mg	Good
Nukote LP	Aromatic Modified Polyurea	14 - 16	200 - 300%	A: 90 - 93	Pass	<0.5%	Pass	30 - 40	>20 J	Class 2	-30°C to120°C	45 mg	Good
Nukote Metalshield	Ceramic Polymer	35 - 40	9-1%	D: 85	Pass*	<0.3%	NA	NA	5 - 7 (Izod D256)	Class 1	175°C	<45 mg	Good
Nukote Metalshield CW	Ceramic Polymer	30 -32	9-7%	D: 90	Pass*	<0.3%	NA	NA	75 Kn	Class 1	220°C	<45 mg	Good
Nukote PA	Polyaspartic Aliphatic Polyurea	16 - 19	25 - 35%	D: 60 - 65	Pass	<0.5%	Pass	60 - 70	NA	Class 2	-20°C to 90°C	<35 mg	Very Good
Nukote PLC	Aromatic Polyurethane	25 - 28	30 - 50%	D: 70 - 80	Pass	<0.5%	Pass	70 - 85	>12 J	Class 2	-30°C to120°C	<25 mg	Good
Nukote PU-pw	Aromatic Polyurethane	18 - 21	20 - 30%	D: 70 - 75	Pass	<0.5%	Pass	02 - 09	>12 J	Class 2	-10°C to 80°C	<15 mg	Good
Nukote SIL 2500	Silcone	2.28	192%	A: 45 - 55	Pass	0.1%	Pass	37.5	>10 J	Class 1	-37°C to 177°C	6ш05>	Very Good
Nukote ST	Aromatic Polyurea	18 - 23	350 - 450%	D: 45 - 55	Pass	<0.5%	Pass	75 - 80	>20 J	Class 2	-30°C to120°C	em 8>	Good
Nukote ST-M	Aromatic Polyurea												
Nukote ST-PW	Aromatic Polyurea	22 - 23	350 - 450%	D: 45 - 55	Pass	<0.5%	Pass	75 - 80	>20 J	Class 2	-30°C to120°C	<10 mg	Good
Nukote Staingard	Aliphatic Polyurethane	25-30	1%	D: 70 - 80	Pass	<1,2%	NA	NA	NA	Class 2	-3°C to 80°C	NA	Good
Nukote XT+	AromaticModified Polyurea	9 - 10	40 -50%	D: 45 - 50	Pass	<0.5%	Pass	40 - 45	> 15J	Class 2	-30°C to120°C	<20 mg	Good



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#### **Global Headquarters**

Nukote Coating Systems International / Houston Texas USA

**US Central Manufacturing / North American Operations** 

Nukote Coating Systems USA / Bedford, Texas USA

**US West Manufacturing / Research and Development Center** 

Nukote Coating Systems USA / Santa Fe Springs, California USA

**Canadian Operations and Distribution** 

Nukote Coating Systems Canada / Oakville Ontario Canada

**African Operations and Distribution** 

Nukote Coating Systems South Africa / Johannesburg South Africa

**Australia Operations and Distribution** 

Nukote Distributors / New Castle NSW Australia

**Asean Operations and Distribution** 

Nukote Industries / Bangkok Thailand

**South American Operations and Manufacturing** 

Nukote Brazil Pty Ltd / Bela Horizonte Brazil