

MAHITA COATING

---

# COMPANY PROFILE

**PT. MAHITA KARYA PERSADA TEKNIK**

# MAHITA COATING



## To be the leader in maintenance and technology services

Provide high quality products and services to the industries with fully awareness in safety and environmental aspects as well as focusing on after sales services to create long term business relationship.

### Structure Strengthening

Your partner in qualified composite and wrapping sources. This future technology is easy, user friendly and the most efficient problem solver for any industries. Used for a wide variety of industry applications to restore integrity and pressure.



### Protective Coating

The Right Coating for Ultimate Protection. The services include corrosion control, wet surface application, permanent rustproofing, certified biohazard encapsulation, and extreme acid exposure. New generation corrosion control and high end coating.



### Thermal Insulation

Experience the future of insulation. It is outperform traditional insulation, are formulated for easy application, and are environmentally safe and beneficial. With a very thin layer has the same insulation value as 6 inches of traditional insulation.



# STRUCTURE STRENGTHENING

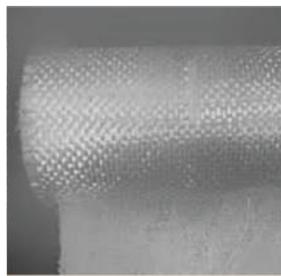


## Your Partner in Qualified Composite and Wrapping Sources

Composite materials are engineered or naturally occurring materials made from two or more constituent materials with significantly different physical or chemical properties which remain separate and distinct at the macro/micro scale within the finished structure.



A Fiber Carbon Base



A Fiber Glass Base

### FIBER CARBON BASE

Fiber Carbon Base is a custom weave, unidirectional glass fabric used in the Mahita Composite System. Combined with epoxy material to add strength and ductility to bridges, buildings, and other structures, mainly for areas of moisture and underwater applications.



Fiber Carbon Base Application



Fiber Carbon Base Application

### FIBER GLASS BASE

Fiber Glass Base is a custom, uni-directional carbon fabric orientated in the 0° direction. The epoxy material is a two-component epoxy matrix, combined with fiber glass base to strengthen & rehabilitate bridges, buildings, and other structures.



Fiber carbon base Application



Fiber glass base Application

### Dry Epoxy Material

A two-component epoxy matrix material for bonding applications, combined with Fiber Carbon Base & Fiber Glass Base fabrics. It is a high elongation material which gives optimum properties as a matrix for the composite system. It provides a long working time for application with no offensive odor.



Wet epoxy material application



Wet epoxy material application

### Wet Epoxy Material

Wet epoxy material is a two part, 100% solids epoxy formulation consisting of epoxy resins, hardeners and inert fillers specifically designed for underwater applications on steel, concrete and masonry surfaces. Designed for underwater applications on steel, concrete and masonry surfaces.

# PROTECTIVE COATING



## The Right Coating for Ultimate Protection

Without the proper protection against harmful acids or chemicals, your surface will deteriorate quickly, resulting in otherwise preventable costs and repairs. The protection of concrete from wear and corrosion is difficult, but not with our coating products.

### RUST GRIP

Designed for the encapsulation of and adherence to tightly bonded surfaces of lead based and other toxic paints and materials as well as rusted surfaces. will withstand a wide variety of chemicals and acids, protecting the surface from damaging effects. It provides long lasting protection that won't flake or peel.



Rust Grip Application on Gas Tank



Rust Grip Application on Oil Tank

### MOIST METAL GRIP

Protect submerged surfaces with durable Moist Metal Grip. This two-part epoxy is designed to provide a water-resistant, anti-corrosion coating for wet or submerged surfaces as well as protect metal surfaces already experiencing moisture or condensation that cannot be stopped and dried.



Moist Metal Grip on Inside Pipes



Moist Metal Grip on Inside Pipes

### LINING KOTE

Lining Kote UHS is the ultimate surface protection against deterioration due to corrosive environments, as well as normal wear. Its two-part epoxy composition provides durable and flexible protection for your coatings, protect against the harshest acids, bases, chemicals and solvents.



Lining Kote Application on the Floor



Lining Kote Application on the part of pipes

### ENAMO GRIP

It will demonstrate unsurpassed semi-gloss retention, color-retention, graffiti-resistance and chalk resistance when utilized for exterior coating situations. Enamo Grip will also provide outstanding resistance to water and humidity, stains, chemicals, and solvents, as well as exceptional scuff, mark, and impact-resistance.



Enamo Grip Application on the Oil Tank



Enamo Grip Application on the Oil Tank

# THERMAL INSULATION



## Experience the future of insulation

With the rising costs of doing business, energy efficiency has never been more important. Coatings from our products, block heat transfer and outperform fiberglass insulation, especially in wet or small spaces.



### HPC™ Coating

HPC™ Coating is a ceramic based, water-borne insulating coating designed to insulate in high temperature situations. Use as a base coat/primer or build layers for additional protection. The seven ceramic compounds used create a barrier to catch and hold heat on the surface of the unit—be it pipe, furnace surface, boiler, etc.



### HPC - HT Coating

HPC-HT is a two-part hybrid silicone/solvent resin (Part A is Flammable) and water-based resins (Part B) using specific ceramic compound loads for application directly over surfaces minimum temperatures of 250°C (482°C) and up to 600°C (1112°C). It was designed to block and hold the interior temperature on the surface and reduce heat transfer loss to ambient.



### SUPER THERM

SuperTherm® Multi-Ceramic Thermal Barrier Coating is a Non-Deteriorating (Waterproof) insulation engineered to repel heat! SuperTherm® addresses all three modes of heat transfer: Repels Radiated Heat, Deflects Convected Heat, Resists Conducted Heat. It is a water-borne thermal barrier coating that is specifically designed to deflect and repel heat, moisture-penetration, air and sound infiltration on virtually any type of surface.

# RUST GRIP

Corrosion Encapsulating Technology that stands up to abrasion, direct impact, acids, salts and caustic materials with no loss of strength. Extend paint life and reduce surface preparation costs by up to 50%. Paint directly on surface rust and firmly bonded paint.

	Traditional Methods	RUST GRIP®
Installation	Requires lengthy sandblasting.	Minimal surface preparation.
Application	Involves multiple coats.	Paint directly on rust and firmly bonded paint.
Moisture Prevention	Limited protection from mold and mildew.	Stops water vapor transmission through electro-chemical freezing.
Longevity	Shorter lifetime endurance.	Penetrates deep into pores of surfaces.
Corrosion	Not effective at blocking long-term degradation.	Adds strength to weakened surfaces.
Repair and Maintenance	Requires continual repair or complete overhaul.	Reduced surface preparation and efficient application yields cost savings.



Rust Grip® is tested to encapsulate rust, lead based paint, asbestos & biohazardous materials.



Rust Grip® requires minimal preparation and no white sand blasting of the surface.



Rust Grip® penetrates deep into the pores of and seals the surface from further corrosion.

# HOT PIPE COATING

The solution for preventing Corrosion Under Insulation. Maximize energy efficiency with a coating designed to insulate every surface, cost - effective, prevents the absorption of air and moisture, effectively, blocking corrosion, has been designed with low - density ceramics developed in cooperation with NASA. HPC is designed to control heat transfer at surface temperatures up to 487 ° C while HPC-HT is up to 650 ° C.

	Rockwool/Fiberglass	HPC® Coating
Installation	Shutdown during install and repair	Applied while operating; no shutdown required.
Insulation Effect	Deteriorates when wet. Valves and elbows not wrapped effectively	Does not deteriorate in normal usage. Insulates valves and elbows.
Crack Detection	Entire jacket must be removed.	Inspected directly on spot; easily repaired.
Condensation	High due to absorption and trapping of moisture	No condensation with HPC® Coating.
Corrosion	Allows air and moisture penetration; CUI develops rapidly.	Applies directly over hot surfaces creating a "fully adhered" casting which eliminates CUI
Repair and Maintenance	High maintenance, must shutdown; high cost of repair and loss of production time.	Low maintenance; inspections performed without shutdowns; easy to maintain and repair.

LG Chemical



Incinerator before HPC® Coating application was 356°F (180°C). Incinerator after HPC® Coating application was 122°F (50°C).

Gazprom Oil



Before HPC® Coating application 865.4°F (463°C) After HPC® Coating application 96.8°F (36°C)

# PREMIUM COATING PROTECTION

---

Industries cannot rely on temporary efficiency when delivering their products and systems. That's why Mahita Composite work for numerous corporations and individuals. Our coatings were made to save you money because of their innovative performance and long-term durability. With an international presence in a wide diversity of markets, Mahita Composite brings industries peace of mind when it comes to combating weather and corrosion. As energy costs become more complex, Mahita Composite continue to push the boundaries of effectiveness and efficiency. Mahita Composite offers a system of products refined from remarkably conclusive data and forged under the most rigorous conditions.

---

<http://ptmkpt.com>

**PT. MAHITA KARYA PERSADA TEKNIK**

JAKARTA OFFICE

GRAHA 99

Jl. Raya Kebayoran Lama no. 99 Jakarta 12220 Indonesia

Phone. +62 21 29402775. Fax. +62 21 29054505

SURABAYA OFFICE

Kompleks Ruko Mutiara Indah

Jl. Kampung Seng no. 12 Surabaya 60145 Indonesia

Phone. +62 31 3765060, Fax. +62 31 3717125