

FALKOME GROUP

CARBON BLACK POWDER



TOPICS AND HIGHLIGHTS



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Thank you

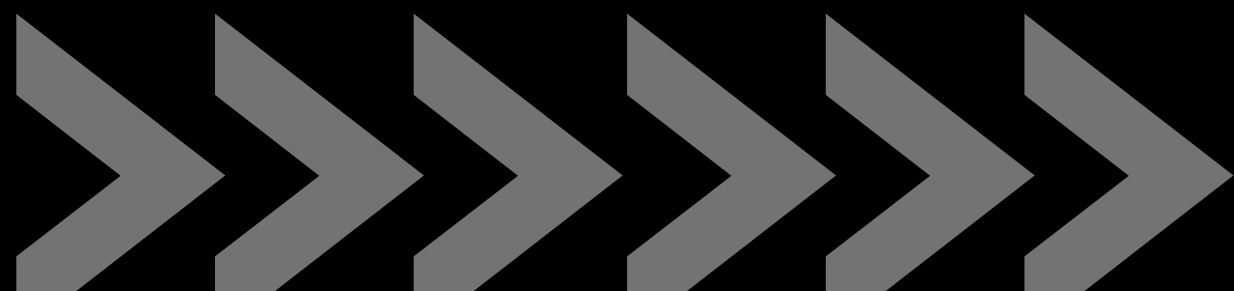


A SHORT INTRODUCTION

Mourya Group of companies which was established in the year 1981.

Later Falkome is an initiative by the Mourya Group.

Falkome is a sister company of Mourya group and was established in the year 2012. We are the manufacturer, exporters, suppliers, and traders of Carbon black powder, garments, and textile and we also provide IT software.



COMPANY PROFILE

FALKOME GROUP is one of the foremost organizations of the industry engaged in manufacturing, exporting, supplying, and trading with our clients a premium quality array of Manufacturer & Services.

Acknowledged in the market for their reliable operations and efficiency, our offered array of products .

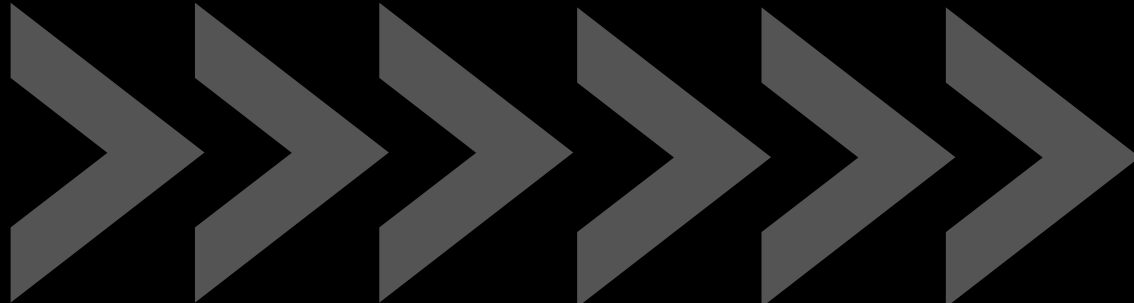
PRODUCT



- Carbon Black Powder
- Import & Export
- Software & IT

(Upcoming Project)

- Solar cars
- Tyre



SOCIAL VALUE OF CARBON

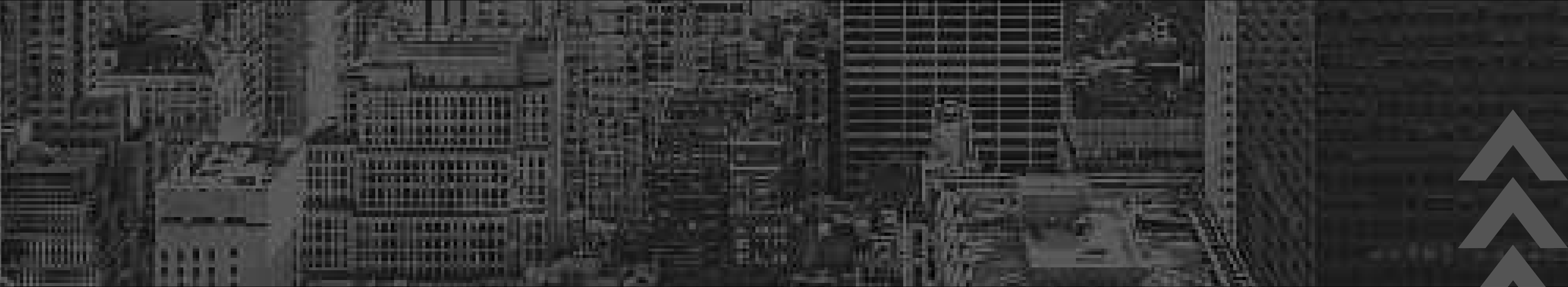
Carbon black has been part of human life for centuries, it is a fine black powder essentially composed of element carbon, highly engineered microscopic material contained in hundreds of thousands of our most valued everyday products.

From cars to computers, plumbing and banknotes to shoe carbon black makes our lives better. it helps us to uses resources effe o travel safely to communicate and to access clean water for drinking and irrigation.

CARBON POWDER

Carbon black is virtually pure, elemental carbon in the form of colloidal particles, which are microscopic and arranged in a grape-like form. Its physical appearance is that of a black, finely divided pellet or powder – individual particles of carbon black are invisible to the human eye. Carbon black is entirely different from, and should not be confused with, black carbon, more commonly known as soot.





The size of the particles and the way they are aggregated determine the specific properties of the carbon black and how it can be used. For example, a large particle-sized “soft” carbon black grade will contribute to the elasticity of tire sidewalls, while a small particle-sized “hard” carbon black grade is essential to ensure the durability of a tire’s tread.



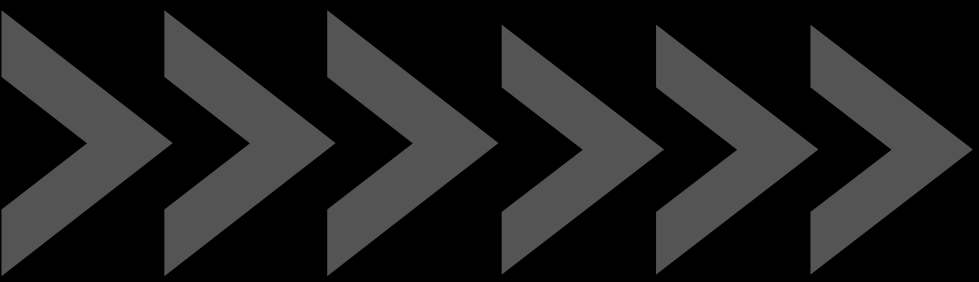
USES

- ✓ CARBON BLACK WITH ITS LIGHT-ABSORBING PROPERTIES, ENSURE THE PLASTIC AND RUBBER PRODUCTS LAST LONGER.
- ✓ IT KEEPS WATER SAFE WHILE TRANSPORTING
- ✓ IT IS USED AS A PIGMENT TO PRODUCE A DEEPER BLACK IN PAINTS, LEATHER COATING, INKS, MASCARA
- ✓ MAKES RUBBER PRODUCTS SAFER, STRONGER, AND MORE EFFICIENT
- ✓ CAN BE ENGINEERED TO MODULATE THE ELECTRICAL AND THERMAL CONDUCTIVITY OF MANY PRODUCTS

USES



It keeps water safe while transporting
Makes rubber products safer, stronger,
and more efficient



Health and Food

Carbon black, with its light-absorbing properties, ensures that plastic and rubber products last longer despite exposure to sunlight. It keeps water safe to drink while being transported and enables more efficient agricultural practices through a range of applications. Examples include:

- High-voltage cables
- Water pipes
- Irrigation pipes
- Geomembranes (e.g. liners for liquid retention pools)
- Agroplastics (e.g. mulching)

Society

Carbon black is always around us—from the clothes and shoes we wear to the mascara we put on our eyelashes, from flowerpots to toys, from banknotes to newspapers. It is used as a pigment to produce a deeper black in the following products:

- Car paint
- Ink for printing newspapers, magazines, books, bank notes, etc.
- Printer cartridges
- Mascara
- Black building products
- Leather coating
- Black fibers for fabrics, carpets, woven materials, etc.

Movement

Carbon black, with its affinity for various polymers, makes rubber products safer, more efficient, and stronger for longer, giving us the freedom to move. It also reduces CO2 emissions and saves energy over the life cycles of many products:

- Vehicle tires
- Shoe soles
- Sealing systems
- Hoses, belts, and engine mounts
- Toys
- Playgrounds
- Tubeless tires
- Inner tubes

Power

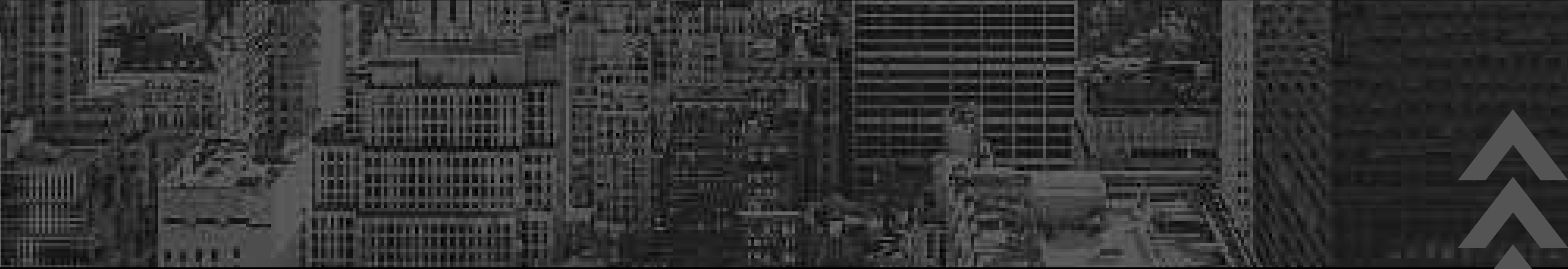
Carbon black is so versatile that its morphology can be engineered for many products. It is an essential component of the wires, cable and technologies that interconnect us. In many applications, it also helps dissipate electrostatic buildup.

Examples include:

- Electrical cables
- Portable energy devices
- Computers (circuit boards)
- Tires
- High-voltage cable jacketing
- Safety shoes
- Conductive flooring

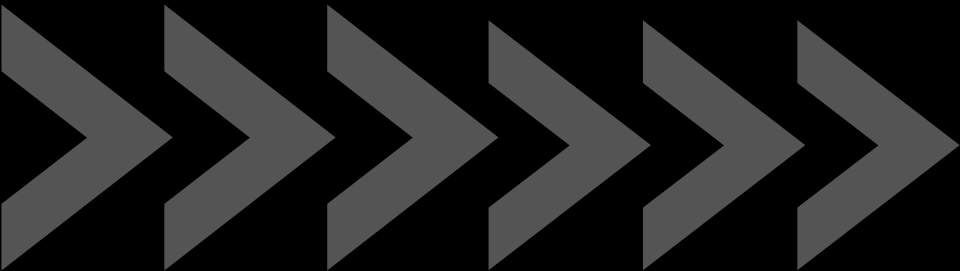
HOW DO WE CREATE SAFE PRODUCTS?

Our customers rely on us to develop safe carbon black that they can incorporate into their products. We ensure that our carbon black not only meets but exceeds regulatory requirements. We remain abreast of any regulatory or market developments, enabling us to support our customers in meeting their own regulatory obligations and ensuring an uninterrupted supply of carbon black.



We thoroughly test our carbon black to ensure that it surpasses regulatory health, safety, and environmental requirements and that it is of the highest quality.

We understand our responsibility to educate and guide customers to handle our carbon black product safely and minimize any potential environmental impact. This includes ensuring we have the correct infrastructure in place throughout the supply chain to prevent the release of carbon black dust into the open air.



GRADES

POWDER FORM



N330

A micrograph showing a dark, irregularly shaped carbon black powder particle. The particle has a rough, porous appearance with some internal structure visible. It is set against a light, grainy background.



N220

A micrograph showing a dark, roughly circular carbon black powder particle. The particle has a very fine, uniform texture and a slightly irregular edge. It is set against a light, grainy background.



N550

A micrograph showing a dark, roughly circular carbon black powder particle. The particle has a very fine, uniform texture and a slightly irregular edge. It is set against a light, grainy background.



A photograph of carbon black N772. It shows a wooden spoon filled with the material, several dark, irregular particles scattered on a light-colored surface, and three small, clear plastic vials containing the powder. The text "N772" is overlaid in white.

N772

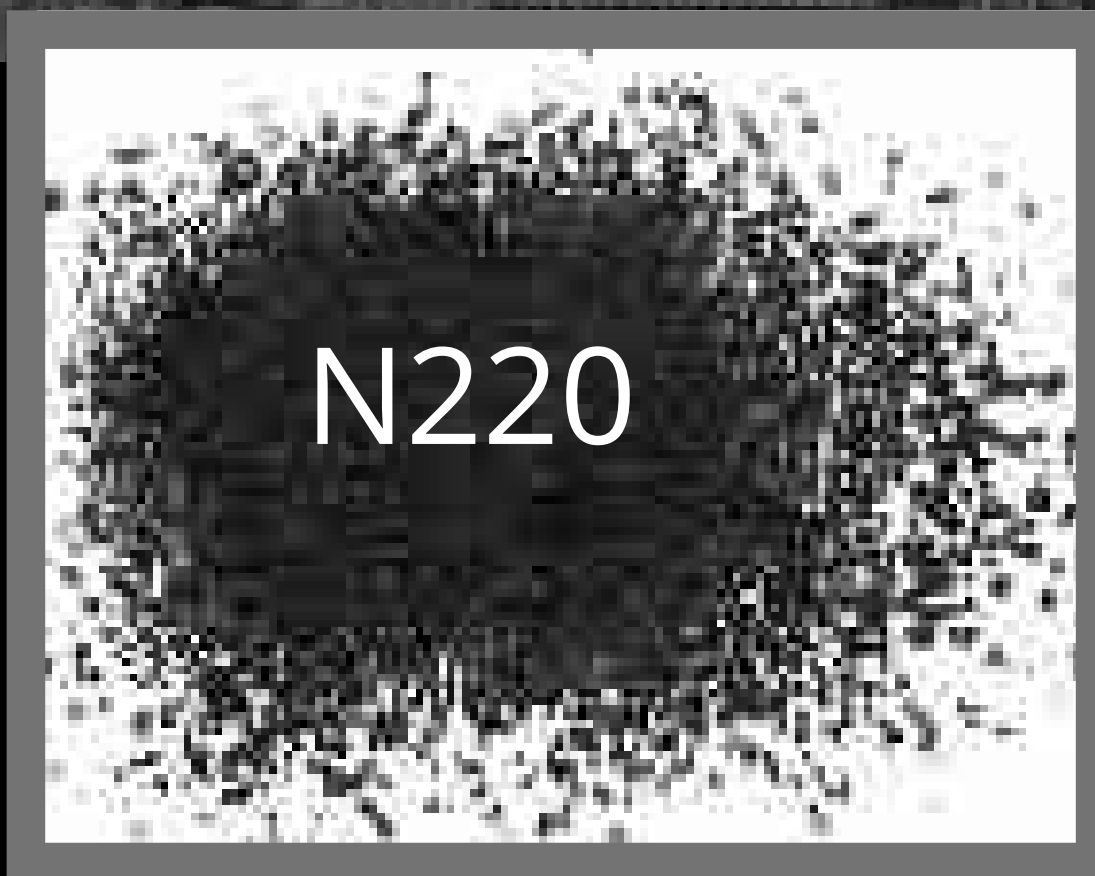
A photograph of carbon black N660. It shows a pile of the dark, fine powder on a white surface. The text "N660" is overlaid in white.

N660

A photograph of carbon black N774. It shows a wooden spoon filled with the material, which is being poured into a wooden bowl. The text "N774" is overlaid in white.

N774

GRANUAL



N220



N330



N550



N660

APPLICATIONS



- Plastic Industry

❖ Plastic Industry		
Products	Recommended USE	Recommended Grades
Base Mastic PVC Pipes	50-100 %	J330/IB330B/P330/IB330B -SF
PVC Compounds	50-100 %	J330/IB330B/P330/IB330B -SF

- Rubber Industry

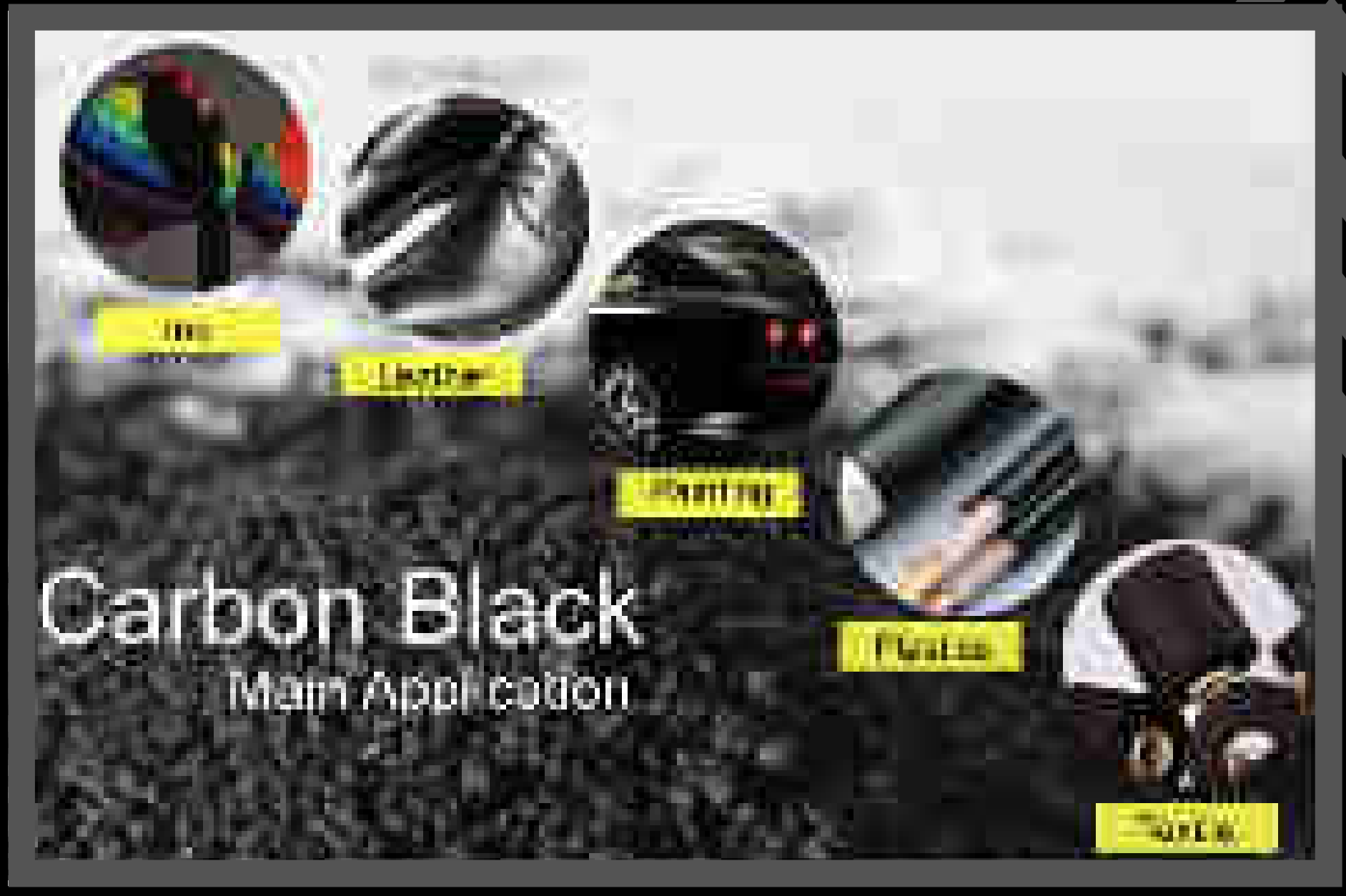
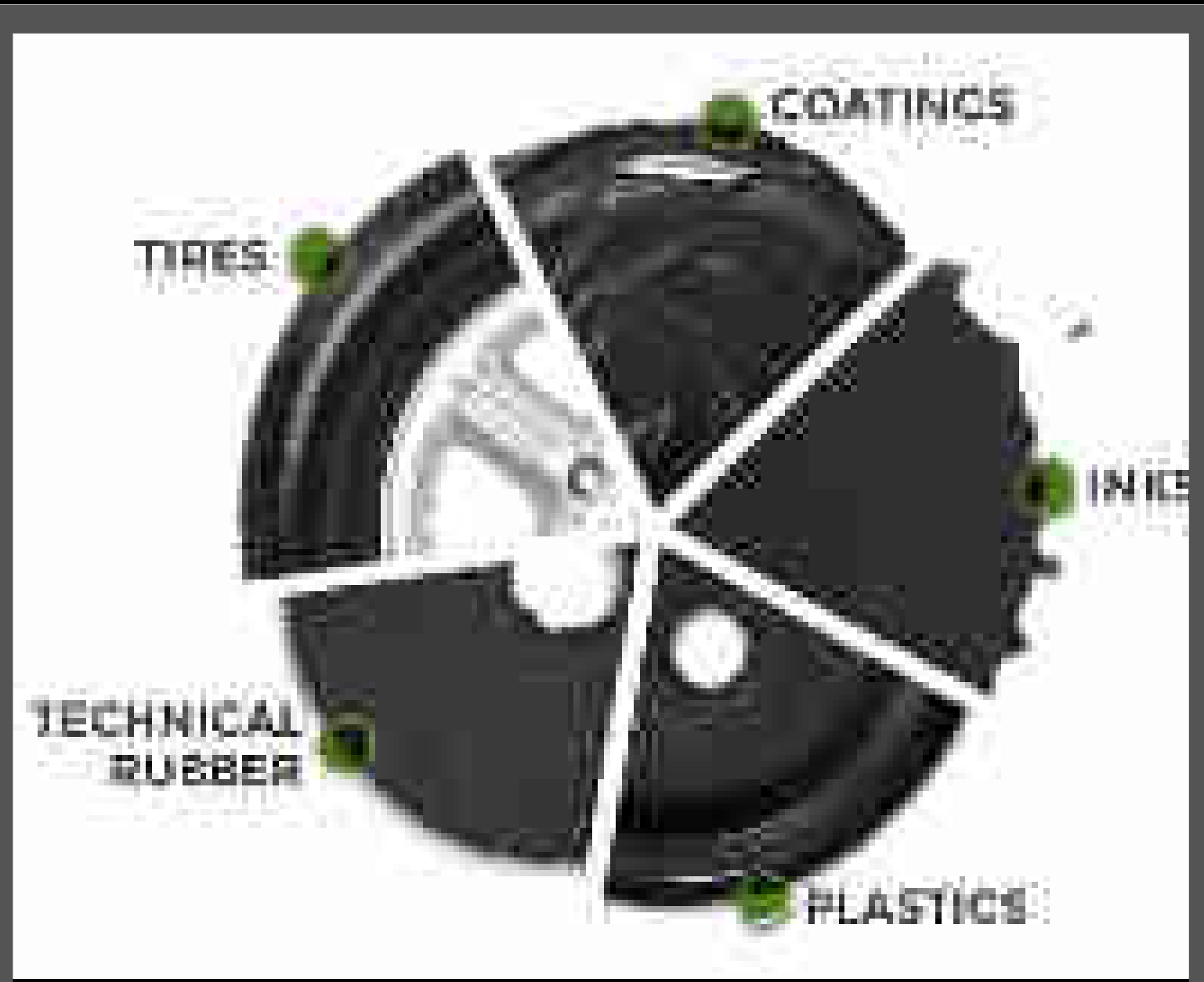
Recommended Dosage/Use in Below Applications:

❖ Rubber Industry		
Products	Recommended USE	Recommended Grades
Tubes	90-95 %	IB590A & J330
Cycle Tires	80 %	IB590B & J330
Rubber Mats	100 %	IB590A/IB590B/J330/P330 -SF
Fenders	60 %	IB590A/P330/IB330
Films	100 %	IB590B/IB590A
Conveyor Belts	70-80 %	J330/P330/IB330
Sheets	60-70 %	J330/P330
Rubber Profiles	60%	P330/IB330B/IB330
Belts	50%	P330/IB330B/IB330
Flakes	20%	P330/IB330B/IB330
Pipes	20%	P330/IB330B/IB330
General Purpose	60 %	IB590C

- Paint Industry

❖ Paints Industry		
Products	Recommended USE	Recommended Grades
Black Paint	50 %	J330/IB330B/P330/IB330B -SF

APPLICATIONS IMAGES



PRODUCT QUALITY



Description:

The 1000 series is a high strength steel alloyed with 12% Ni and 0.02% Nb. It is a high strength steel alloyed with 12% Ni and 0.02% Nb. It is a high strength steel alloyed with 12% Ni and 0.02% Nb.

General Data:

Property	Typical Value	Unit	Test Method
Minimum Yield Strength	570	MPa	ASTM A370
Minimum Tensile Strength	720	MPa	ASTM A370
Minimum Elongation	20	%	ASTM A370
Minimum Charpy Impact Energy	27	J/cm ²	ASTM A370
Minimum Hardness	285	HB	ASTM A370
Minimum Yield Strength	570	MPa	ASTM A370
Minimum Tensile Strength	720	MPa	ASTM A370
Minimum Elongation	20	%	ASTM A370
Minimum Charpy Impact Energy	27	J/cm ²	ASTM A370
Minimum Hardness	285	HB	ASTM A370
Minimum Yield Strength	570	MPa	ASTM A370
Minimum Tensile Strength	720	MPa	ASTM A370
Minimum Elongation	20	%	ASTM A370
Minimum Charpy Impact Energy	27	J/cm ²	ASTM A370
Minimum Hardness	285	HB	ASTM A370

Application Data:

Application	Notes	Recommendation Under Stress
Structural Steel		
Pressure Vessels		
Boilers		
Pressure Piping		
Heat Exchangers		
Crane Hooks		
Pressure Vessels		
Pressure Piping		
Boilers		
Pressure Vessels		
Pressure Piping		
Boilers		
Pressure Vessels		
Pressure Piping		
Boilers		



TARGET MARKET



NORTH AMERICA

US & Canada ,Mexico,Cuba,Jamaica , Bahamas, Costa Rica, El salvador,Grenada, Panama.



ASIA PACIFIC

Japan,India & South Korea,Bangladesh,Russia,Japan SriLanka, Bhutan, Tonga,Nepal,Phillippines.



EUROPE


Georgia, Germany & Greece, Spain, UK, Franch, Italy, Denmark, Sweden.



END USER

- ▶ Tyre Manufacturer
- ▶ Rubber Factory
- ▶ Paint & coating industry
- ▶ Ink Industry
- ▶ Plastic Industry
- ▶ Rubber & shoes Manufacturer

CONTACT DETAILS

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THANK YOU!

