

PROFILE



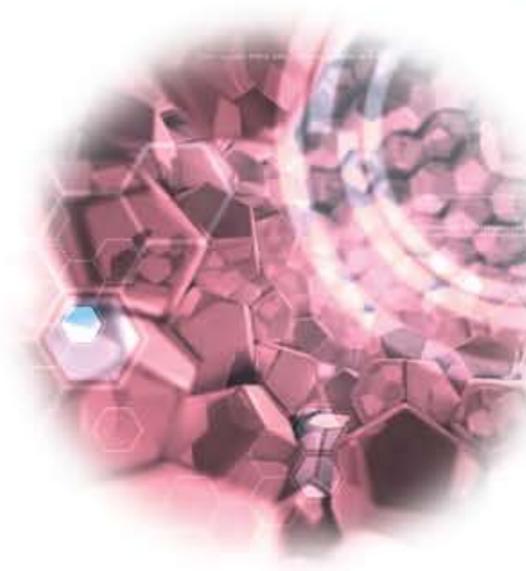
CHUGOKU MARINE PAINTS, LTD.

CMP, a leading company aiming to harmonize human activity with nature.



President
Masataka Uetake

Since its establishment in 1917, Chugoku Marine Paints, Ltd. has uniquely developed marine paints as a core product, together with other specialized paints for industrial use. CMP continues to grow, and is well supported by a broad customer base. Their confidence and trust in our technology and products underpins our success in both domestic and global markets. Our products are designed and developed based on focused research activities, and distributed via our highly organized global service network. As a supplier to key industries, such as shipbuilding, shipping, power generation, steel, wood, and general construction, we are aware that we have a responsibility to support the development of these industries through our commitment to achieving this on the basis of harmonization with nature. Chugoku Marine Paints, Ltd., as “a leading company aiming to harmonize human activity with nature”, endeavors to promote industrial growth with the environment very much in mind, and continues its creative and innovative approach to further customers’ satisfaction.



Innovation

Innovative technology - taking a global view

CMP globally searches for technological innovation, not only in order to develop paints and other products, but also to establish paint technologies that are effective in streamlining processes, are labor saving, and can be incorporated into automated line and robot systems.



Ecology

Harmony with the environment

CMP takes information learned from nature and daily life as messages pointing to the future. We are “a company dedicated to protecting the environment”, actively promoting harmonization with it.

Quality

Development of high performance, quality products.

To meet various demands promptly, CMP proactively develops and promotes high quality products, together with color designs, featuring high and innovative functionality designed for specific applications.

CMP focuses on the future with the most globally advanced technologies from 3 key perspectives.

High quality and performance contribute to the development of society and are based on a deep concern for harmony with nature. CMP focuses on people and paints from the standpoints of ECOLOGY, INNOVATION and QUALITY, using the most advanced technologies.

Corporate Data

Company Name
CHUGOKU MARINE PAINTS, LTD.

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1-7, Meiji-Shinkai, Otake-shi, Hiroshima-ken 739-0652, Japan
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Date of Establishment: May 1917

Capital: 11,600 million yen

Description of Main Business



Paints for vessels



Paints for fishing boats & Fishnet



Paints for pleasure boats & yachts



Paints for Containers



Heavy duty paints



Paints for building materials



High performance paints for plastics



Caulking material for railways

R & D

Research & Development to ensure reliable products.



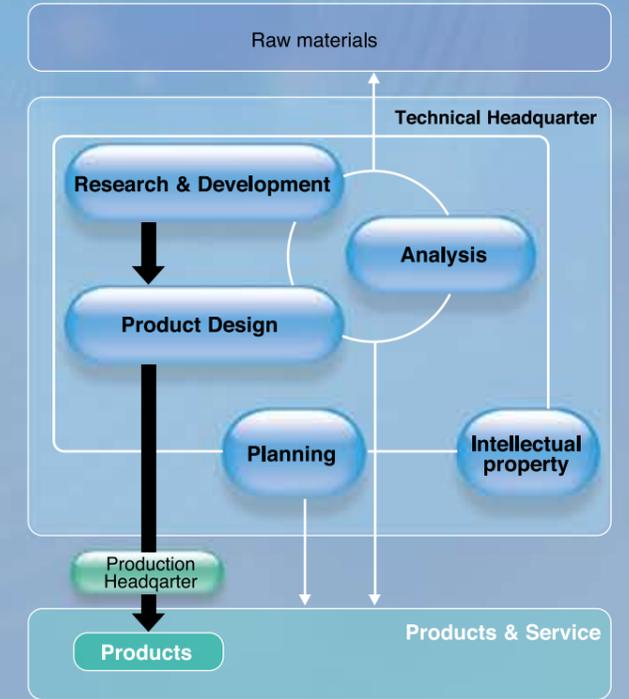
CMP's approach and commitment to Research and Development is based on the belief that innovative technology and reliable products are closely interlinked. This has allowed technological cooperation and ground-breaking progress among basic and application research departments and others such as product development, analysis, intellectual property and planning. CMP's technologies and a continuous stream of new products meeting the requirements for environmental protection and streamlining of processing operations have been highly recognized. CMP also continues with its active involvement in introducing new technologies and engaging in joint research programs with other research institutions. We strive relentlessly to develop products we consider to be close to our ideals. The "creation of dependable and reliable products" is an abiding ideal of CMP.



Technical Headquarter (Otake)



Technical Headquarter (Shiga)



■ Research and Development

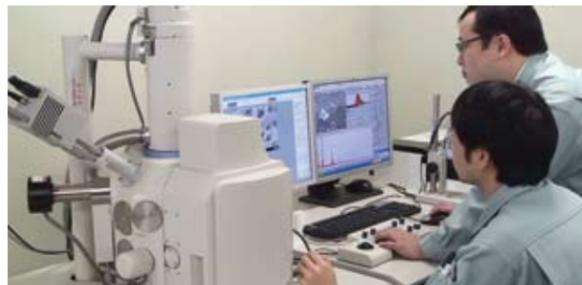
CMP conducts basic studies to search for a new principle and material in the coating field, and application studies to search for a cause and resolution of individual technical issues. Fully equipped with experiment and inspection facilities, our Research & Development department promotes these studies which are correlated from a medium- to long-term perspective. The results of these basic and application studies are applied in new product innovation, enhancement of existing products, creation of new values such as environmental protection and launch in new market areas.



Gel-Permeation Chromatograph (GPC)



Wave Dispersive X-ray Fluorescence Spectrometer



Scanning Electron Microscope (SEM)



FT-IR with Ultraviolet-ray Irradiation Apparatus



Polymer Synthesis in the laboratory

■ Product Design

At customer's requests, and based on R&D results, the company enhances product specifications and works on optimizing production processes. Through continuous efforts, CMP has developed a broad range of paint products for marine, industrial and container use, with excellent coating and environmental performance.



Anti-fouling performance testing machine (in dynamic condition)



Outdoor exposure



UV Irradiator



Coating Machine



Clean Coating Room



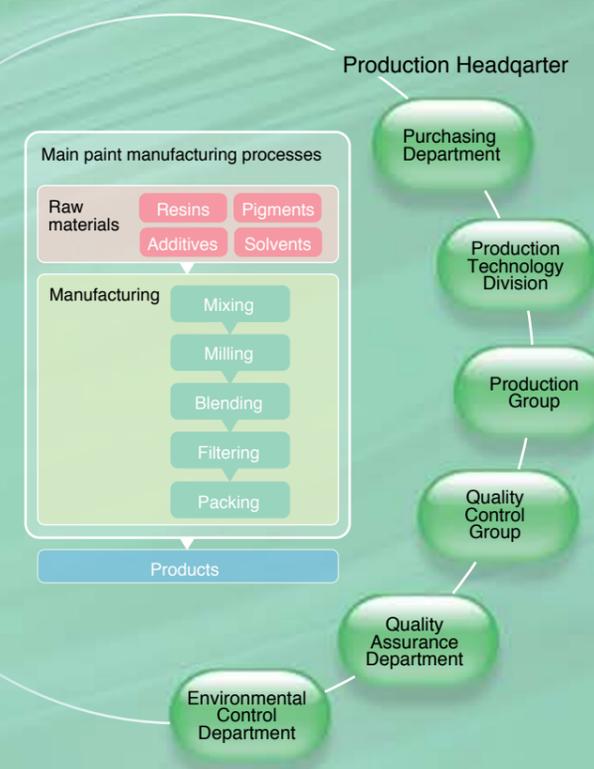
Coating Durability Testing Room

Production & Logistics System

An assured production and logistics system - in pursuit of reliability and high quality.



CMP is promoting the utilization of advanced systems and the upgrading of logistics networks to facilitate flexible and optimized responses to all situations; from raw material selection to the production process, from mass production to the production of small quantities of multiple products, and from the receipt of purchase orders to the delivery of finished products. CMP continues to steadily supply products via its first class delivery system. This is synchronized with a streamlined production facility - designed with unique know-how, as well as advanced production technology which aims for high product reliability and quality.



■ Main paint manufacturing processes



Automated warehouse (Shiga factory)



Solvent Tank (Kyushu factory)



Filling process (Kyushu factory)



Product shipment (Korea factory)



Disperser (Shanghai factory)



Quality Control (Thai factory)



Quality Control (Malaysia factory)



Control panel (Singapore factory)



Inspection (Singapore factory)

■ Reductions in environmental impact

CMP rigorously controls chemical emissions generated in factories, and promotes the reduction of hazardous substances in line with targets. CMP is also actively involved in information disclosure, such as publishing a Social and Environmental Report for instance, in order to establish good relations with local and global society.



Air intake & exhaust equipment (Shiga factory)



Wastewater treatment facility (Kyushu factory)



Deodorization Equipment (Kyushu factory)



Demonstration operation of solar power generation system (Otake / Technical Headquarter)

Products

High quality paints supporting global logistics



■ Paint for large vessels

Sea-going ships are the principle assets operating in global transport logistics, and are protected from harsh ocean environments by marine paints. In this respect, CMP has, since its establishment, developed its business in cooperation with the shipbuilding and shipping industry. Based on its technical expertise, know-how, and experience gained during its long history in the marine business, CMP has met performance requirements for paints in all ship areas, introducing many technologies, from anti-fouling paints for preventing fouling adherence to ship bottoms, to corrosion-resistant paints for protecting ballast tanks from corrosion, and protective paints for superstructures that enhance appearance.

One of the Japanese manufacturers to act early in diversifying its overseas business, CMP has built, and continues to develop, its global supply chain network for high quality products and services. This has gained customers' appreciation and the recognition of CMP as a global brand supplier.



Anti-corrosion paint



Water-based paint for interior



Abrasion resistant paint



Paint for water ballast tank



Shop primer



Multi primer



High heat-reflecting coating



Paint for topside

■ Paint for pleasure boats and yachts

Many sea adventurers and professional yachtsmen, and others who enjoy other marine sports, have great faith in the SEAJET SERIES, developed as a special paint for pleasure boats and yachts.



■ Paint for marine containers

Marine container transportation has increased greatly along with global economic growth and associated logistics demands. CMP has been a pioneering force in the container paint market, particularly in China, the largest producer of containers, and has accumulated a great deal of experience in becoming a top supplier with a major market share worldwide. CMP also leads the container paint industry in its contributions to the environment, introducing fetid free (FF) paints, for instance, through removing irritating industrial solvents such as xylene and toluene. This has minimized impact on cargoes and improved the working environment.



■ Paint for Offshore Constructions

Offshore constructions are highlighted due to the change in the world's energy structure. To enhance durability of those, technical requirements vary, such as long term anti-corrosive protection in the harsh ocean environment. CMP is opening this new field, making full use of its technical know-how acquired in marine and industrial paint over many years.



Anti-fouling paint

There are various types of marine paints; primer to enhance adhesion, protective paints for effective anti-corrosive protection, and anti-fouling paints to prevent living organisms such as barnacles from adhering to the ship's bottom. CMP's well-designed paint combination protects the ship's body from the extreme marine environment.

Products

High quality paints supporting daily life and enhancing appearance

Protective paint

Protective paint is essentially designed to provide effective anti-corrosive protection. It is generally a system made up of a number of layers of different paints - water resistant, sea water resistant, acid resistant, and weather resistant paints. Based on technical expertise and experience accumulated through its long history, CMP offers a series of comprehensive protective paint systems which can be utilized in diverse industrial areas including industrial plants, and steel structures such as bridges. CMP is also pursuing the expanded use of protective paints for different end-uses, where it continues to develop and supply high quality products including glass flake containing paints for longer term anti-corrosive performance, solvent-free and water-soluble paints to enhance environmental performance, paints which can be applied and cure underwater, paints for electro-magnetic wave absorbance and anti-fouling / foul-release paints for power plant facilities, such as seawater intakes.



Fluoro resin paint



Highly-durable inorganic paint



Epoxy paint

Functional paint

Functional paints were born based on unique concepts that went beyond the conventional boundaries of paint. CMP is developing products for the future, and applying flexible and creative ideas for enhancing the performance of currently available paints.



Caulking material for railways

CUS has been adopted as a caulking resin for slab rail tracks and crossings by many Japanese and overseas railway companies due to its excellent durability and easy maintenance. It helps ensure safe train operation.



Fluorine resin coated polyethylene pipe

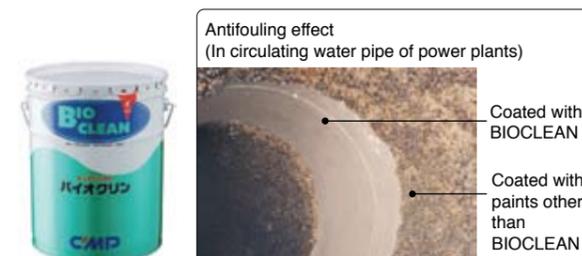


Electro-magnetic wave absorbing paint

Underwater applicable and curable paint



Underwater applicable and curable paints. Having a creative imagination and innovative technology, CMP successfully developed and introduced these paints, something originally considered impossible. They have, however, become an indispensable working component in the maintenance of maritime building and other structures.



TX-free non-toxic and non-polluting foul-release paint

The "BIOCLEAN SERIES" features outstanding performance, and has proven its worth as an environmentally friendly foul release paint series for application in, for example, Japanese and overseas power plants.

Paint for building materials and woodworking

CMP is the first company in Japan to apply UV curable coating-which cures instantly when exposed to UV light - to wooden flooring materials, and has been a leader in this industry since that time. Moreover, by introducing environmentally friendly products, such as wooden floor painting systems which combine a solvent-free UV curable coating with water soluble coloring agents, CMP has also realized the high level of performance required in flooring materials which come into direct contact with the human skin. In addition to wooden flooring materials, CMP has made remarkable progress in paints for building materials used on exteriors and interiors, such as furniture.



UV curable paint

Functional paint for plastics

The "PHOLUCID SERIES" enhances the appearance of coated products and helps them meet various functions when applied to molded plastic products and film surfaces. It gives anti-fingerprint and antifog functions, and also enriches our lives by enhancing the quality and functions of various kinds of industry products, including mobile phones, smart phones and other electrical appliances.



Functional paint for plastics

Environmental Products

Diverse environmental activities

CMP works on environmental issues from many angles, including product development, manufacturing, delivery, use, and waste disposal.

CMP endeavors not only to protect the marine environment from pollution by eliminating harmful tin compounds used for anti-fouling marine paint, but also to contribute to solving environmental problems by developing solvent free UV curable paints that reduce drying energy substantially, as well as lead and chrome free products.

CMP continues to use the Earth's limited natural resources sparingly, and is endeavoring to build an environment-friendly recycling oriented society so as to lessen negative impacts on the Earth.



■ Technical development of eco-friendly products



Setting the 5 targets shown below for developing eco-friendly products, CMP introduced tar-free products in April 2006, taking the lead in the paint industry. We will continue to make efforts in product development to reduce environmental loads.

■ Coatings Care



In response to the current worldwide demand to protect the global earth, CMP has been proactively engaged in environmental activities as priority management issue. On 18th July 2001, CMP declared promoting Coatings Care (a program to protect the environment, safety and health) proposed and advocated by the Japan Paint Manufacturers Association (JPMA).

Coatings Care is a voluntary initiative proposed and advocated by the International Paint & Printing Ink Industry Council (IPPIC) and The Japan Paint Manufacturers Association (JPMA) to protect the environment, safety, and health, at all stages of chemical processing in the whole coating industry, from product development right through to manufacturing, transportation, usage, and disposal. The basic policy is expressed in a way similar to the "Responsible Care" advocated by The International Council of Chemical Associations (ICCA) and promoted internationally. "Coatings Care" activities promote the registration through International Standard "ISO 14001", the standard specified by the International Organization for Standardization concerning environmental conservation, CMP is registered.

■ Transportation by IBC system

CMP developed the Intermediate Bulk Container (IBC) system, which combines recyclable tank containers with automatic measuring and mixing equipment, thus enabling the transport and mixing of paints in bulk efficiently, with labor-savings, and less unnecessary packaging waste.



IBC & Automatic paint blending equipment

■ Environmental product

Paints for vessels



Environment friendly New Hydrolysis Anti-fouling paint
SEAFLO NEO

One of the major roles of anti-fouling paint for ship bottoms is to prevent any decline in ships' fuel efficiency caused by living organisms such as barnacles adhering to the bottom. Currently, the technological progress of marine paint has entered a new phase of further improved fuel efficiency by enhancing surface smoothness.



Water-based paint drying at ambient temperature
SWAN



Multi-purpose primer
BANNOH



Paint for water ballast tank complying with international standards
CMP NOVA Series



Solvent-free paint for drinking water tanks
CLEANKEEP

■ Environmental product

Paints for Industries



High heat-reflecting coating
THERMO-SHADAN



Environmentally friendly paint system
ECOLOGUARD



Water-based coloring agents
STAIN W Series



Solvent-free UV curing paints
AULEX Series



Titanium foil + fluoro resin paint
Titanium foil anti-corrosive system

■ Environmental product

Paints for Container



CMP manufactures and sells interior topcoat and floor paints which are free of xylene and toluene and further, the odor of which is neutralized to limit the interior odor. * Conforms to FDA (Food and Drug Administration) standards.

CMP also strives to eliminate lead and chromium from all its container paints and furthermore, works actively to develop an all water-based coating system, targeting a further reduction in the environmental burden.

Network

Expanding CMP's worldwide network, supported by its achievements and user trust.

CMP, having begun in the business of marine coatings, placed great emphasis on developing systems that provide and maintain products and service all over the world. Now, with the growing support, confidence, and trust of its customers for all its achievements, CMP has established a worldwide network which delivers top class services generally - manufacturing, supplying, in sales and technical partnerships in marine paints, container paints, and paints for plants and wood etc.. We are present in about 80 locations in 30 countries. CMP aims to continuously improve and develop itself as a global company, expanding its factories and upgrading its service network worldwide by gathering and analyzing a broad range of information through organic cooperation with its global affiliates and business partners.

CMP WORLDWIDE NETWORK



Europe

- Netherlands
- U.K.
- Germany
- Greece
- Italy
- Spain
- Turkey
- Croatia
- Russia

Middle East

- U.A.E.

Asia

- China
- Shanghai
- Guangdong
- Other
- Hong Kong
- Taiwan
- Japan
- Korea
- Singapore
- Malaysia
- Thailand
- Indonesia
- Philippines
- Vietnam
- India
- Sri Lanka

America

- U.S.A.
- Curacao
- Brazil
- Argentina

Africa

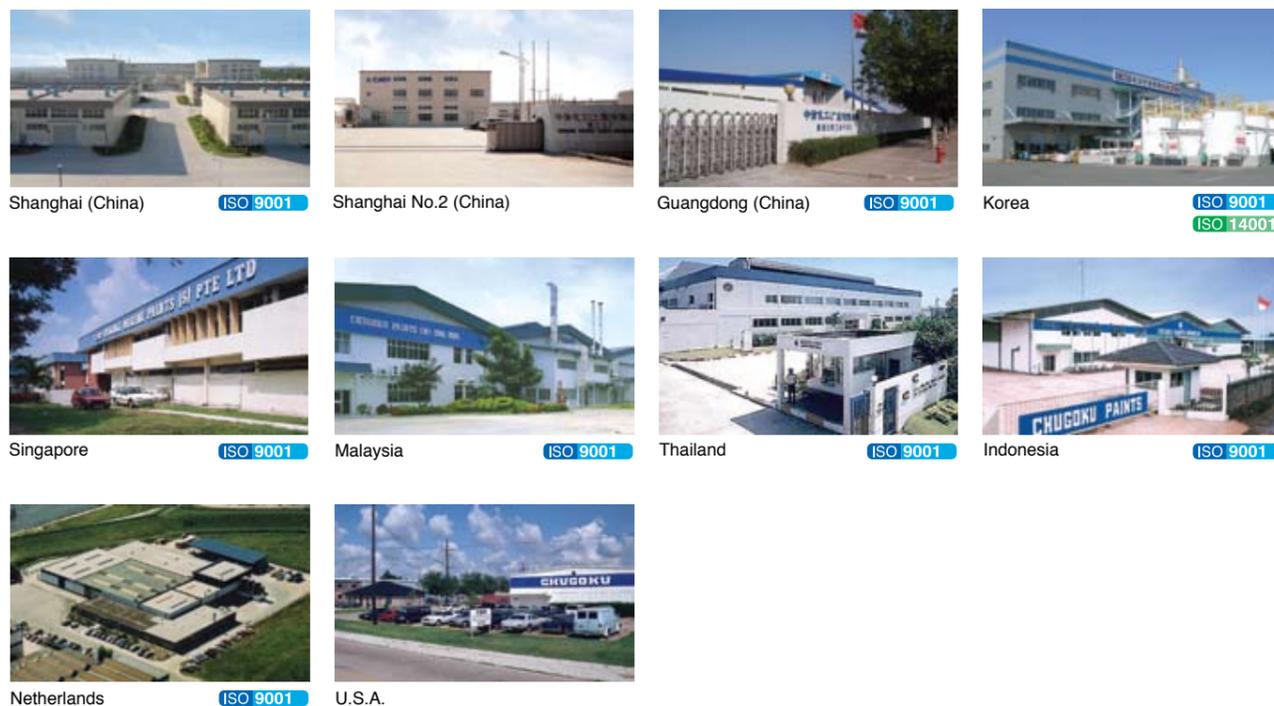
- South Africa
- Egypt

Oceania

- Australia
- New Zealand

- Factory
- Sales Office
- Licensee
- Agent
- Stock point

Overseas Factory



CMP GROUP COMPANY

CHUGOKU MARINE PAINTS (SHANGHAI), LTD. Guangzhou Sales Office	China	CHUGOKU PAINTS (MALAYSIA) SDN. BHD. Penang Office For Domestic Sales	Malaysia
CHUGOKU MARINE PAINTS (GUANGDONG), LTD.		TOA-CHUGOKU PAINTS CO., LTD.	Thailand
CHUGOKU MARINE PAINTS (HONG KONG), LTD.	Hong Kong	P.T. CHUGOKU PAINTS INDONESIA	Indonesia
CHUGOKU MARINE PAINTS (TAIWAN), LTD. Kaohsiung Office	Taiwan	CHUGOKU PAINTS (INDIA) PRIVATE LIMITED	India
KOBE PAINTS, LTD.	Japan	CHUGOKU PAINTS B.V.	Netherlands
OHTAKE-MEISHIN CHEMICAL CO.,LTD.		CHUGOKU PAINTS (UK) LTD.	U. K.
CHUGOKU SAMHWA PAINTS, LTD. Geoje Office Ulsan Office	Korea	CHUGOKU PAINTS (GERMANY) G.m.b.H.	Germany
CHUGOKU MARINE PAINTS (SINGAPORE) PTE. LTD. Dubai Branch	Singapore U.A.E.	CHUGOKU MARINE PAINTS (HELLAS), S.A.	Greece
		BOAT S.p.A.	Italy
		CMP COATINGS, INC. Houston Container Sales Office New Jersey Marine Sales Office	U.S.A.

