

MARINE COATINGS

Applied technology for maximum performance



SIGMA
COATINGS

A PPG Brand

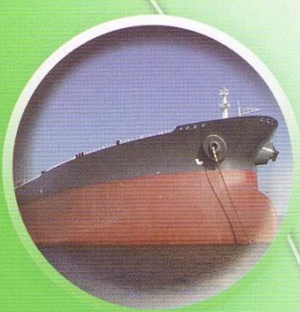
SIGMA *Prime*™

The one anticorrosive coating to
suit all areas – for all seasons



PPG Protective & Marine Coatings





The SigmaPrime™ Range

PPG Protective & Marine Coatings

Unrivalled performance and protection

PPG Protective & Marine Coatings (PMC) is a world leader in protective and marine coatings.

We create proven products that protect customers' assets in some of the world's most demanding markets including:

- Civil building
- Infrastructure
- Offshore
- Petrochemical
- Power
- Rail
- Marine new-build
- Marine dry dock
- Marine sea stock

Our coatings are unrivalled in performance and protection among asset owners, contractors, fabricators and applicators across the globe, helping customers meet the challenges they face today, and tomorrow.

Experience, innovation and integrity – that's what makes PMC the ideal coatings partner.

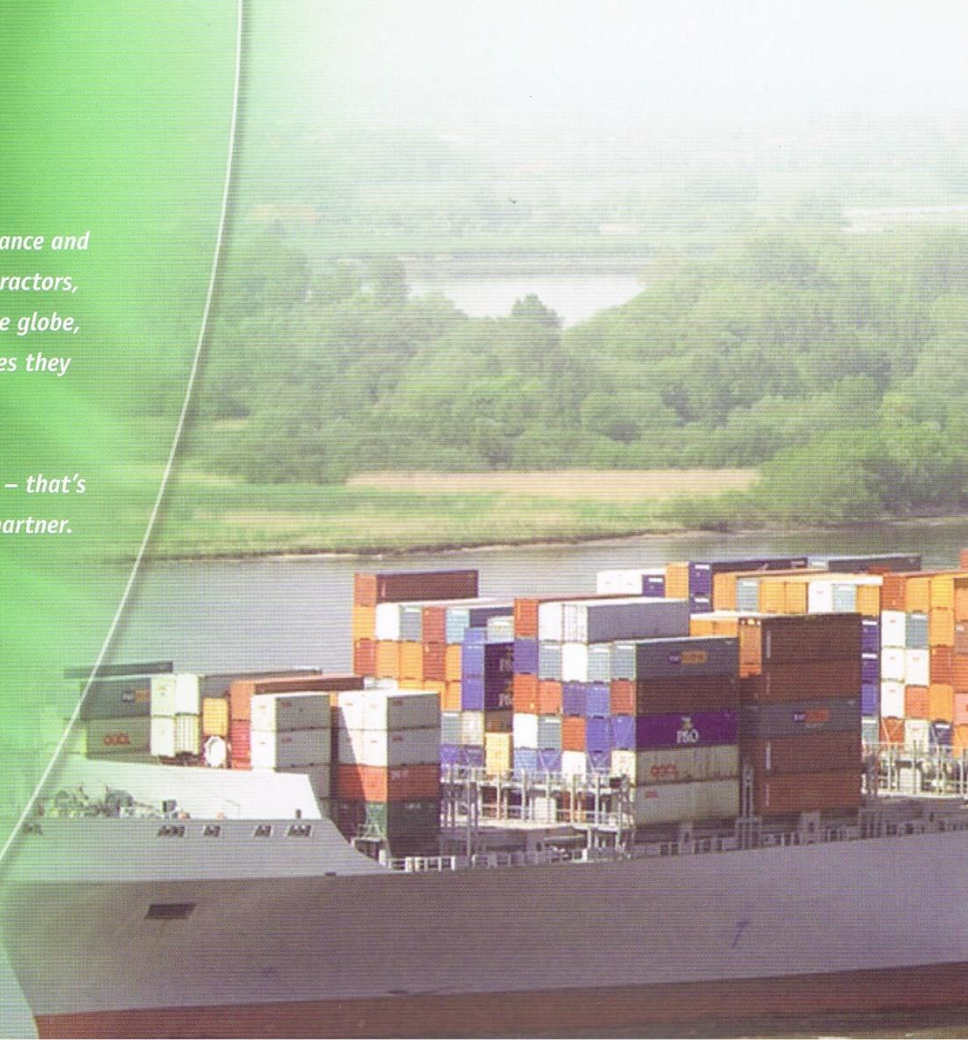
Marine coatings are recognized as an essential factor in the service life and operational profitability of most forms of shipping. Consequently, they've now become a crucial consideration, from the new-build design stages onwards.

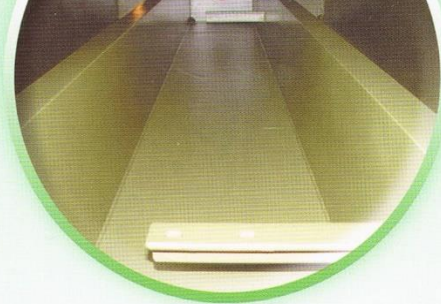
Such is the importance of using the most suitable marine coating, that the success or failure of coatings in service will have a significant influence on a ship's operational profitability, and overall return on investment.

An extended range of anticorrosives that matches everyone's agenda

SigmaPrime is the solution – a unique range of multi-purpose anticorrosives that meet the demands of process speed and environmental compliance, without compromising the quality of the coating performance.

SigmaPrime coatings are designed to simplify production at the new-build stage, and provide long-term performance in service. In addition, they can be applied to almost all vessel areas, in virtually all temperatures, throughout the year.

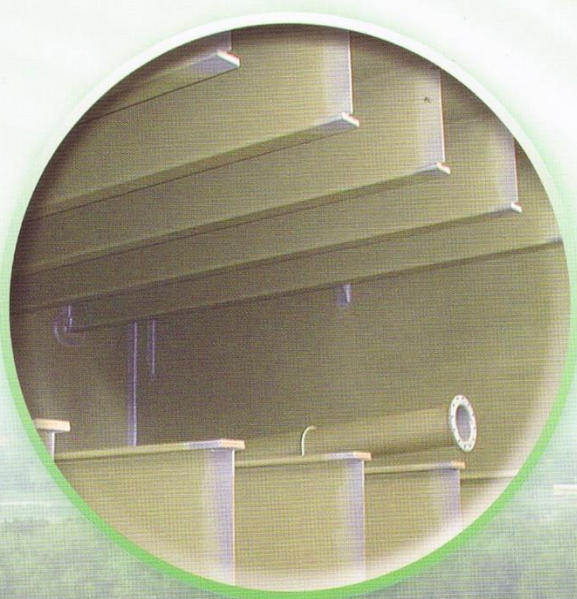




'Best in Class' for over a decade

The SigmaPrime range consists of high-quality, multi-purpose epoxy anticorrosives that have been specifically designed to suit modern shipyard building practices and ensure excellent long-term corrosion protection. It offers simplification for the shipbuilder and long-term performance for the owner.

Applied in two layers, SigmaPrime serves as a proven high-quality, water ballast tank system. As evidence of its successful track record, it was applied on the water ballast tank of the very first IMO PSPC type-approved vessel.



SigmaPrime - suitable for:

Water ballast tanks

Underwater hulls

Decks

Superstructure

Topsides

Cargo holds

Cargo tanks

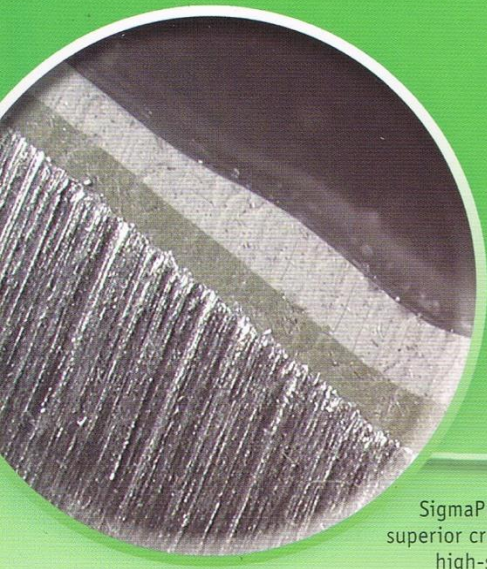
Internals



SIGMAPrime™

The SigmaPrime Range

One anticorrosive coating to suit all areas - for all seasons



SigmaPrime exhibits superior crack resistance in high-stress areas



SigmaPrime exhibits enhanced edge coverage

The SigmaPrime range offers excellent water and corrosion resistance when applied to steel and non-ferrous metals, exhibiting excellent adhesion, flow and wetting properties, as well as outstanding crack resistance and edge retention.

It provides exceptional anticorrosive protection due to its excellent adhesive qualities on:

- Shop primer
- Steel (blasted or mechanically pre-treated)
- Aluminum
- Stainless steel
- Galvanized steel
- Hydro-jetted surfaces

SigmaPrime can also be overcoated with virtually all other coating types, such as:

- Epoxy
- Polyurethane
- Acrylic
- Alkyd
- Chlorinated rubber
- Vinyl
- Fire retardant

SigmaPrime – all-round system for cost-effectiveness

Shipyard benefits

- Simplified specification
- Reduced number of coatings
- Increased production speed
- Increased application quality
- Reduced stocks
- Reduced consumption/wastage

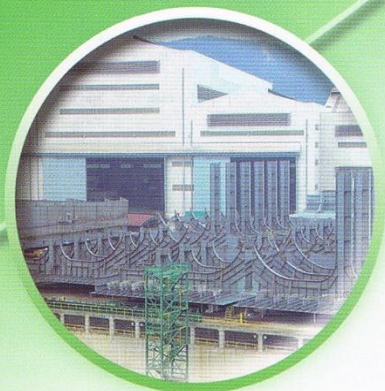
Owner on-site benefits

- Simplified specification/inspection routine
- Increased familiarity with coatings and systems
- Higher quality

Owner in-service benefits

- Long-term anticorrosive protection
- Simplified maintenance schemes
- Reduced maintenance costs





SigmaPrime 200

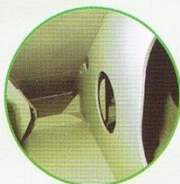
Two-component, multi-purpose, anticorrosive epoxy system. Low-temperature version delivers excellent performance when applied down to -10°C .

- One coating for all vessel areas
- Pure epoxy system
- Exceptional anticorrosive performance
- Excellent adhesion to steel, shop primer, galvanized steel and non-ferrous metals
- Low-temperature version available
- Proven crack resistance
- Good edge coverage

SigmaPrime 700

High-solids, two-component, multi-purpose, anticorrosive epoxy system. Low-temperature version provides excellent performance when applied down to -10°C .

- One coating for all vessel areas
- Pure epoxy system
- Exceptional anticorrosive performance
- Excellent adhesion to steel, shop primer, galvanized steel and non-ferrous metals
- Low-temperature version available
- Proven crack resistance
- Enhanced edge coverage
- Increased cost-effectiveness through high-solids content
- Reduced VOC emissions



Ballast tank



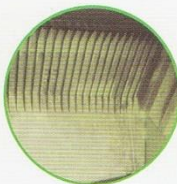
Deck



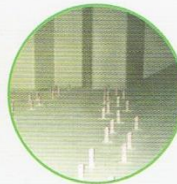
Underwater hull



Topsides and Superstructure



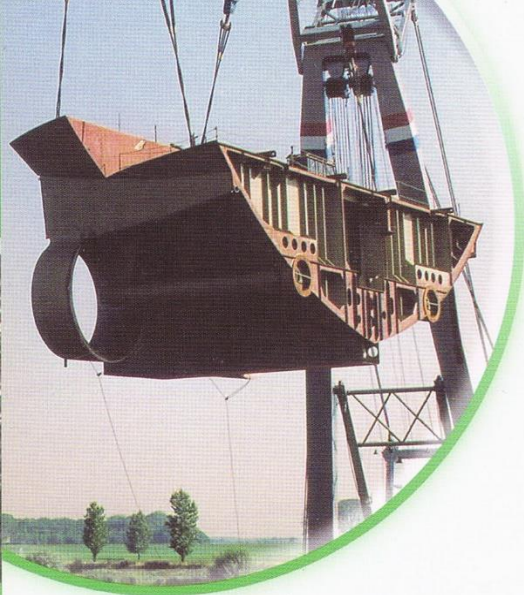
Cargo hold



Cargo tank



Internal space



*...wherever you are,
the quality is world-class*



The global nature of the shipping business now demands worldwide supply. Providing marine coatings to the shipping industry usually requires local manufacture, often using local raw materials. For coating systems in critical areas, it's vitally important that these coatings are identical to those originally specified, together with track records and approvals (such as DNV/Marintek).

The composition of the SigmaPrime range, regardless of production location, is strictly controlled and all SigmaPrime formulations have been fingerprinted by the DNV laboratories in Bergen, Norway.



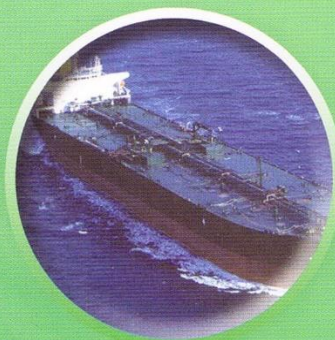
The SigmaPrime Range

SigmaPrime 200

- Two-component, multi-purpose, anticorrosive epoxy system
- Low-temperature version available down to -10°C

SigmaPrime 700

- High-solids, two-component, multi-purpose anticorrosive epoxy system
- Low-temperature version available down to -10°C



SIGMAPrime™

PPG Protective & Marine Coatings

PPG Protective & Marine Coatings brings unrivalled levels of innovation, experience and expertise in coatings technology, supported through our expanding global supply and distributors' network in over 80 countries.

We have in-depth knowledge of the industry, our customers' day-to-day challenges and the environmental, health and safety standards in the marketplace. By working in close partnership with customers, our technical service representatives are able to offer an unsurpassed level of market knowledge. This enables us to respond quickly with efficient, economic solutions in all environments and industries.

The result – performance-enhancing coating systems that can be applied more easily, resist the elements more effectively, and deliver maximum performance with minimum downtime.

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