

PROTECTIVE COATINGS

solutions that cover your needs



SIGMA *Zinc*™

Zinc primer range



**PPG Protective &
Marine Coatings**

The SigmaZinc Primer Range

PPG Protective and Marine Coatings is dedicated to the development, manufacture and supply of coatings to meet the demanding challenges of the marine and protective coatings industries. Our proven products and technologies are used to safeguard a wide variety of assets: from marine newbuilding and vessel maintenance & repair to offshore and petrochemical, from civil building/infrastructure and power to rail. With a heritage of outstanding expertise we use the knowledge and experience we have gained to provide excellent products, performance and service.

Heavy duty applications like for instance bridges, petrochemical plants and offshore assets require maximum protection, sometimes more than can be provided by conventional systems.

SigmaZinc offers a complete range of high quality zinc primers which can be used as a primer in systems with epoxies and polyurethane topcoats. Depending on the zinc level of the SigmaZinc product the required performance protection of the asset can be obtained.

Throughout the years the SigmaZinc range has proven to provide long term performance in the most aggressive environments, such as offshore, where salt and humidity are inevitable. SigmaZinc products can be built in coating systems that meet international standards such as ISO 12944 and NORSOK M501.



Salt spray test: an accelerated test method to evaluate the resistance of system corrosion

Performance you can trust

All products are manufactured according to world-leading standards to ensure consistent performance throughout the entire SigmaZinc range.

The SigmaZinc products have an excellent performance in:

- Long term weathering
- Abrasion
- Salt spray
- Impact
- Humidity
- Elevated temperatures



SigmaZinc applications

The SigmaZinc range is widely used and respected in all key industry sectors, meeting the very demanding challenges required to protect major assets.

Infrastructure

- Bridges
- Port facilities
- Coastal defence

Petrochemical

- Structural steel
- Process equipment
- Tanks
- Jetties

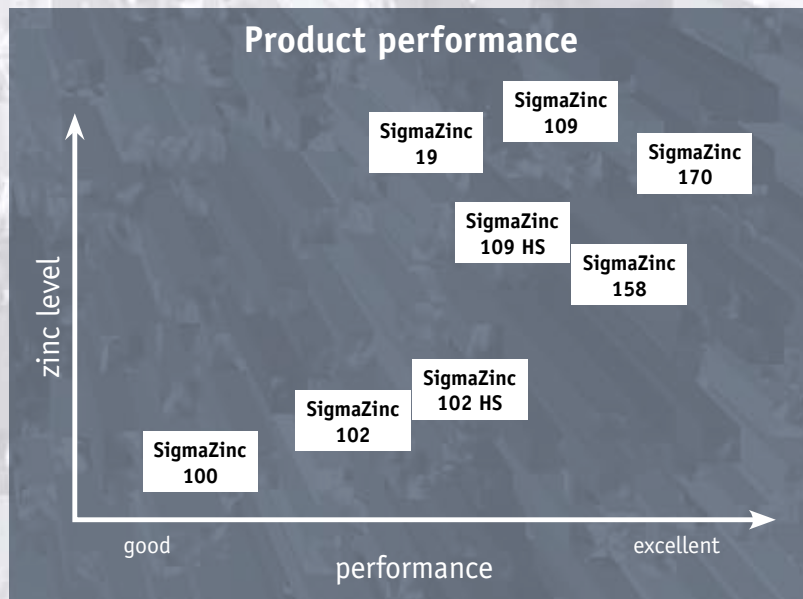
Offshore

- Structural steel
- FPSO's

Power

- Fossil power plants
- Process equipment
- Wind mills

A humidity cabinet is used for accelerated testing to evaluate the coatings resistance in very humid environments



The SigmaZinc Range



SigmaZinc 170

Inorganic zinc rich ethyl silicate primer

- One coat system direct to steel
- Outstanding application properties
- Can be applied by airless or conventional spray
- Excellent heavy-build film tolerance in corners and angles
- High metallic zinc content

SigmaZinc 158

Inorganic zinc rich ethyl silicate primer

- Good low temperature curing
- Balanced zinc level
- Long term protection
- Certificate ASTM A490 class "B" for slip co-efficient
- Tested in systems meeting Norsok M501 and ISO 12944

SigmaZinc 109

Zinc rich epoxy primer

- Excellent corrosion protection
- Long term protection
- Fast drying
- High metallic zinc content

The SigmaZinc silicate products provide excellent corrosion protection to steel structures, equipment and piping operating permanent or intermittent at elevated temperatures. Depending on the zinc primer and topcoat, temperature resistance may be as high as 540°C/1004°F.



Zinc silicates are particularly suitable to improve the corrosion resistance and friction of the surface in high tension bolted connections



SigmaZinc 109 HS

High solids zinc rich epoxy primer

- Low VOC level
- Excellent corrosion protection
- Tested in systems meeting Norsok M501 and ISO 12944
- Fast drying
- High metallic zinc content

SigmaZinc 102

Zinc epoxy primer

- Zinc primer for general use
- Good corrosion protection
- Fast drying
- Tested in systems meeting ISO 12944

SigmaZinc 102 HS

High solids zinc epoxy primer

- Low VOC level
- Good corrosion protection
- Tested in systems meeting ISO 12944





SigmaZinc 100

Zinc epoxy primer

- Fast drying, can be overcoated after a short interval
- Good corrosion properties
- LT version is available for temperatures lower than 5°C/41°F
- Tested in systems meeting ISO 12944

SigmaZinc 19

One component zinc rich phenoxy primer

- Easy application
- Good low temperature curing
- Excellent corrosion protection
- Recoatable with two component epoxy coatings
- High metallic zinc content

The SigmaZinc Range

SigmaZinc 170 *(Dimetcote 9)*

- Inorganic zinc rich ethyl silicate primer

SigmaZinc 158

- Inorganic zinc rich ethyl silicate primer

SigmaZinc 109

- Zinc rich epoxy primer

SigmaZinc 109 HS

- High solids zinc rich epoxy primer

SigmaZinc 102

- Zinc epoxy primer

SigmaZinc 102 HS

- High solid zinc epoxy primer

SigmaZinc 100

- Zinc epoxy primer

SigmaZinc 19

- One component zinc rich phenoxy primer

PPG Protective and Marine Coatings

PPG Protective and Marine Coatings brings unrivalled levels of experience and expertise in coatings technology through our expanding global supply and distributors network.

We understand our customers' needs and the challenges they face. We respond quickly with effective economic solutions, working closely with our customers to develop products that meet their requirements.

Formulations that can be applied more easily, resist the elements better and reduce overall environmental impact in compliance with both local and international standards.

With in-depth knowledge of the day-to-day reality that faces the industries we supply, our technical service representatives offer an unsurpassed perspective and optimal coatings solutions; maximizing technical performance and minimizing expensive downtime.



PPG Protective & Marine Coatings

PPG Protective & Marine Coatings
P.O. Box 58034, 1040 HA Amsterdam, The Netherlands
Tel: +31 (0)20 407 5050, Fax: +31 (0)20 407 5059
Email: sigmacoatings.protective@ppg.com
Website: www.sigmacoatings.com/protective

No rights can be derived from the content of this publication. Unless otherwise agreed upon in writing, all products and technical advice given are subject to our standard conditions of sale (www.sigmacoatings.com). All rights reserved. All trademarks or registered trademarks are the property of their respective owners.



947550/06-09