

PROTECTIVE COATINGS

solutions that cover your needs



SIGMA *Therm*

Heat Resistance Range



**PPG Protective &
Marine Coatings**

The Heat Resistant SigmaTherm 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.

Some of the most challenging coating situations that exist in industries today concern heat resistance. There is a continuous demand for coatings that can maintain their function despite exposure to the extremely high operational temperatures observed in the Power, Offshore and Petrochemical processing industries.

Sigma Coatings' products offer a range of high quality, high performance heat resistant coatings developed specifically to meet these challenges, able to cope with extremes of temperature and deliver a dependable long-term performance for both new construction and maintenance.

SigmaTherm applications

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

Offshore

- Piping
- Heat exchangers
- Flare stacks

Petrochemical

- Piping
- Heat exchangers
- Process equipment

Power

- Piping
- Stacks
- Process equipment

Performance you can trust

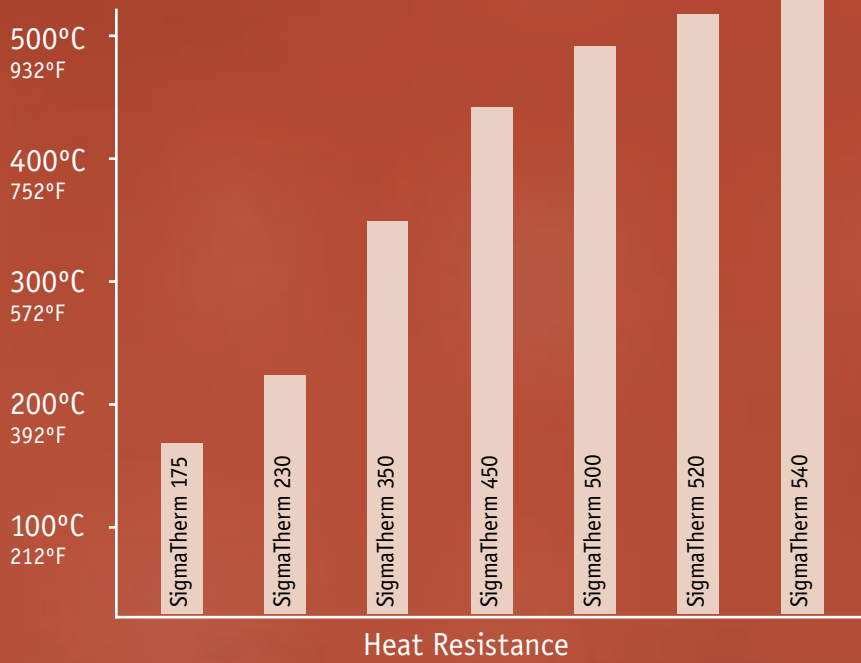
All our coatings are manufactured to world-leading standards. So you can rely on a consistent performance from each and every coating in the SigmaTherm range.

- High temperature exposure
- Direct to metal technology
- Internal dry
- Easy application





Product Performance



SIGMATherm

The SigmaTherm Range



SigmaTherm 540

A heat resistant moisture curing silicone aluminum primer and finish meeting all maintenance requirements up to 540°C/1004°F.

- Heat resistant on ST3 powertool cleaned steel up to 400°C/752°F
- No post-cure required
- Application direct to metal
- SigmaZinc 158 can be used as primer

SigmaTherm 520

A heat resistant moisture curing ethyl silicate finish with protection up to 520°C/968°F.

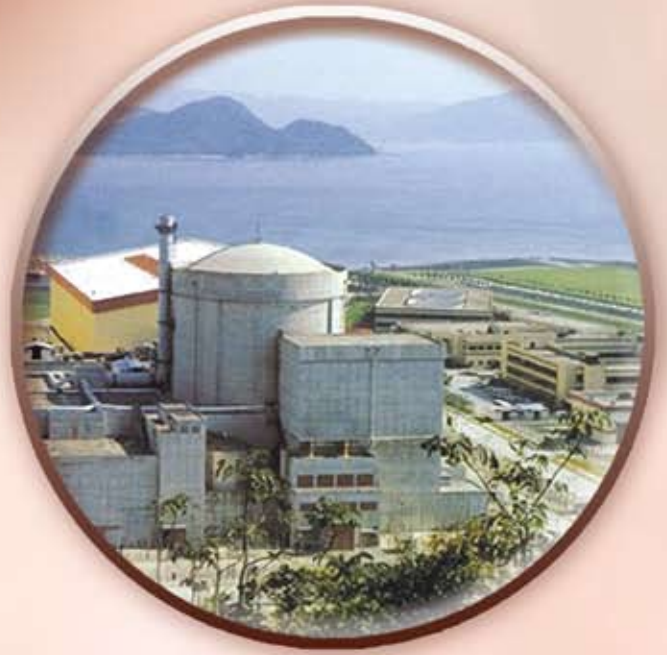
- Limited color range available
- Heat resistant in combination with a zinc silicate primer up to 520°C/968°F
- No post-cure required
- Recommended primer is SigmaZinc 158

SigmaTherm 500

A heat resistant alkyd primer and finish with protection up to 500°C/932°F.

- Aluminium pigmented
- Post-cure is required
- Application direct to metal





SigmaTherm 450

A heat resistant silicone based finish with good protection up to 450°C/842°F.

- Post-cure is required
- Suitable for aluminium or zinc sprayed steel
- SigmaZinc 158 can be used as primer

SigmaTherm 350

A heat resistant silicone acrylic based finish with protection up to 350°C/662°F.

- Limited color range available
- No post-cure required
- Suitable for steel, aluminium or zinc sprayed steel
- SigmaZinc 158 can be used as primer



SIGMATherm



SigmaTherm 230

Two component high build heat resistant phenolic epoxy coating with protection up to 230°C/446°F.

- Heat resistant under insulation up to 400°C/752°F
- No post-cure required
- Excellent anti corrosive properties
- 2 Coat system with easy application characteristics

SigmaTherm 175

A heat resistant alkyd finish with protection up to 175°C/347°F.

- Aluminium pigmented
- No post-cure required
- Recommended primer is Sigmarine 24



The SigmaTherm Range

SigmaTherm 540

- Heat resistant moisture curing silicone aluminium

SigmaTherm 520

- Heat resistant moisture curing ethyl silicate finish

SigmaTherm 500

- Heat resistant alkyd based aluminium primer and finish

SigmaTherm 450

- Heat resistant silicone based aluminium finish

SigmaTherm 350

- Heat resistant silicone acrylic finish

SigmaTherm 230

- Heat resistant phenolic epoxy coating

SigmaTherm 175

- Heat resistant alkyd based aluminium finish



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.



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