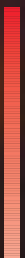


# SIGMA*Therm*

## Heat Resistant Range

Protective Coating solutions that cover your needs



**SIGMA*Therm* 540**  
**SIGMA*Therm* 520**  
**SIGMA*Therm* 500**  
**SIGMA*Therm* 450**  
**SIGMA*Therm* 350**  
**SIGMA*Therm* 175**



**SIGMA**  
COATINGS

| Protecting the Future

# The heat resistant SigmaTherm Range - for when the

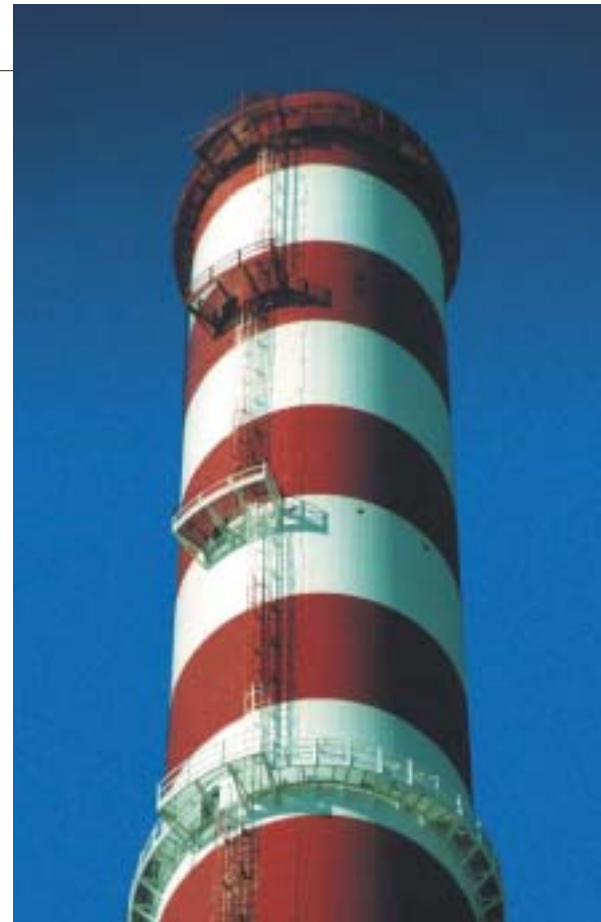
*Sigma Protective Coatings is dedicated to the development, manufacture and supply of coatings to meet the very challenging needs of specific industries. With a heritage of outstanding expertise in coatings technology and decades of international investment in research and development for the protective coatings market, no company could be better placed than Sigma to meet the fast-changing global challenges of this technically demanding sector.*

Some of the most challenging coatings situations that exist in industry today concern heat resistance. There is a continuous demand for coatings that can maintain their function despite exposure to the extremely high operational temperatures found in the power, offshore and oil and gas processing industries.

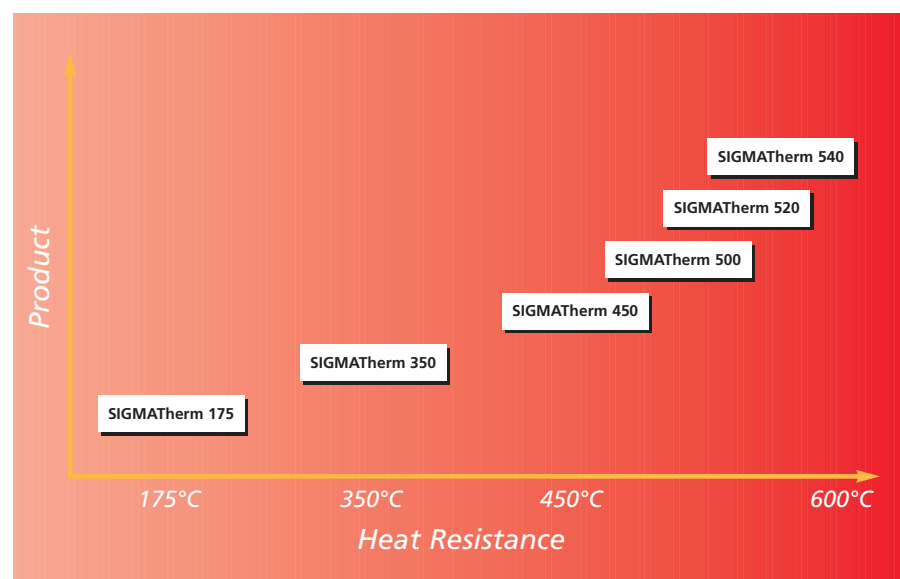
Sigma Protective Coatings offers a range of high quality, high performance heat resistant coatings developed specifically to meet this challenge, able to cope with extremes of temperature and deliver a dependable long-term performance for both new construction and maintenance alike.



going gets hot



### Product Performance Chart



# SigmaTherm Range



## SigmaTherm 540

A heat resistant moisture curing silicone aluminium primer / finish meeting all maintenance requirements up to 540°C / 1000°F

- One component
- Aluminium pigmented
- Heat resistant on SA 2.5 blasted steel up to 540°C / 1000°F
- Heat resistant on ST3 powertool cleaned steel up to 400°C / 750°F
- No post-cure required
- Application direct to metal or zinc silicate primer like SigmaZinc 158



## SigmaTherm 500

A heat resistant alkyd primer/finish with protection up to 500°C / 930°F

- One component
- Aluminium pigmented
- Heat resistant up to 500°C / 930°F
- Post-cure is required
- Application direct to metal



## SigmaTherm 520

A heat resistant moisture curing ethyl silicate finish with protection up to 500°C / 930°F

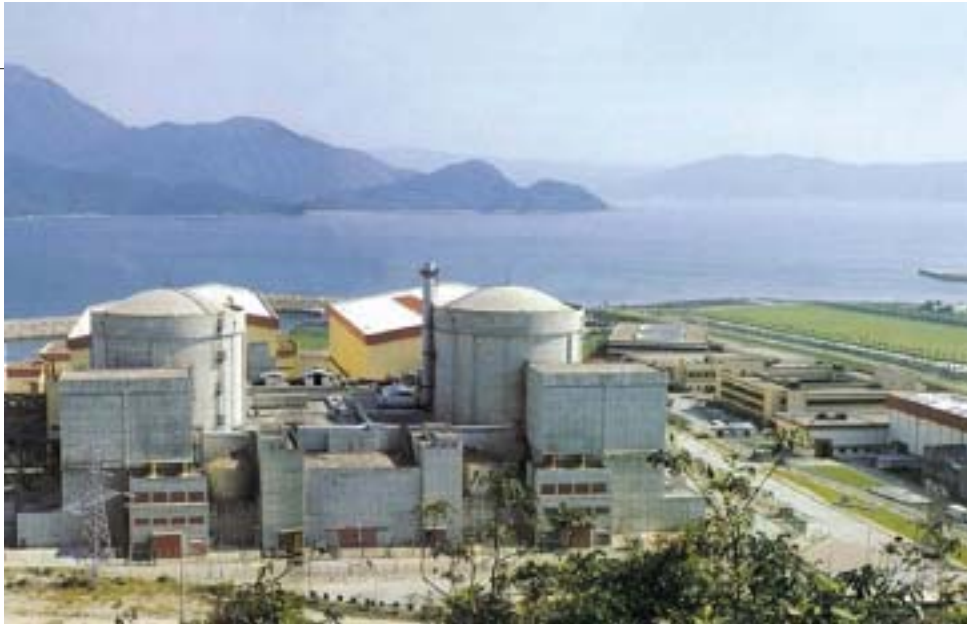
- One component
- Limited colour range available
- Heat resistant in combination with a zinc silicate primer up to 500°C / 930°F
- No post-cure required
- Recommended primer is SigmaZinc 158



## SigmaTherm 450

A heat resistant silicone based finish with good protection up to 450°C/840°F

- One component
- Heat resistant up to 450°C/840°F
- Post-cure is required
- Suitable for aluminium or zinc sprayed steel and zinc silicate primer like SigmaZinc 158



## SigmaTherm 350

A heat resistant finish available in colours, based upon a silicone and acrylic resin with protection up to 350°C/660°F

- One component
- Limited colour range available
- Heat resistant up to 350°C/660°F
- No post-cure required
- Suitable for steel, aluminium or zinc sprayed steel and zinc silicate primer like SigmaZinc 158

## SigmaTherm 175

A heat resistant alkyd finish with protection up to 175°C/340°F

- One component easy to use
- Aluminium pigmented
- Heat resistant up to 175°C/340°F
- No post-cure required
- Recommended primer is Sigmarine 24

# 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 exchanger
- Maintenance
- Flare Stacks

## Oil and Gas

- Piping
- Heat exchangers
- Maintenance
- 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
- Internal Dry
- Direct to metal technology
- Ease of application



# The heat resistant Range Renamed

## **SigmaTherm 540** (*SigmaTherm 540*)

- Heat resistant moisture curing silicone aluminium

## **SigmaTherm 520** (*SigmaTherm Silicate*)

- Heat resistant alkyl silicate Finish

## **SigmaTherm 500** (*Sigmarine Aluminium HR 500*)

- Heat resistant alkyd based aluminium Primer/Finish

## **SigmaTherm 450** (*SigmaTherm Siloxane*)

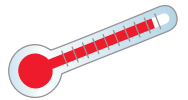
- Heat resistant silicone based aluminium Finish

## **SigmaTherm 350** (*SigmaTherm Silacryl*)

- Heat resistant silicone /acrylic Finish

## **SigmaTherm 175** (*Sigmarine Aluminium HR*)

- Heat resistant alkyd based aluminium Finish



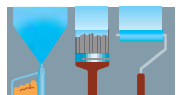
High temperature exposure



Direct to metal technology



Internal dry



Ease of application

# Worldwide Support Services

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Sigma Coatings field technical support staff are among the most highly skilled and trained in the coatings business. With in-depth knowledge of the working realities facing the industries we supply, our technical experts offer an unsurpassed perspective on the coatings options that can help your industry to function optimally, maximising technical performance and minimising expensive down time.

## Complementary documentation

SigmaTherm 540  
Product data sheet 7564

SigmaTherm 520  
Product data sheet 7555

SigmaTherm 500  
Product data sheet 7261

SigmaTherm 450  
Product data sheet 7563

SigmaTherm 350  
Product data sheet 7565

SigmaTherm 175  
Product data sheet 7260



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