



SIGMAShield

Heavy Duty Reinforced Range

Protective Coating solutions that cover your needs



SIGMAShield 1200

SIGMAShield 1090

SIGMAShield 905

SIGMAShield 825

SIGMAShield 460

SIGMAShield 420

SIGMAShield 220



SIGMA
COATINGS

| Protecting the Future

The Sigma Heavy Duty Reinforced Range - Extreme to

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.

Heavy duty applications require more than can be offered by conventional coatings.

The SigmaShield range of products offers long term cost effective protection in the toughest of environments. The systems deliver greater protection because they are all reinforced with either glassflake, aluminium oxide or flint depending on the level of duty required.

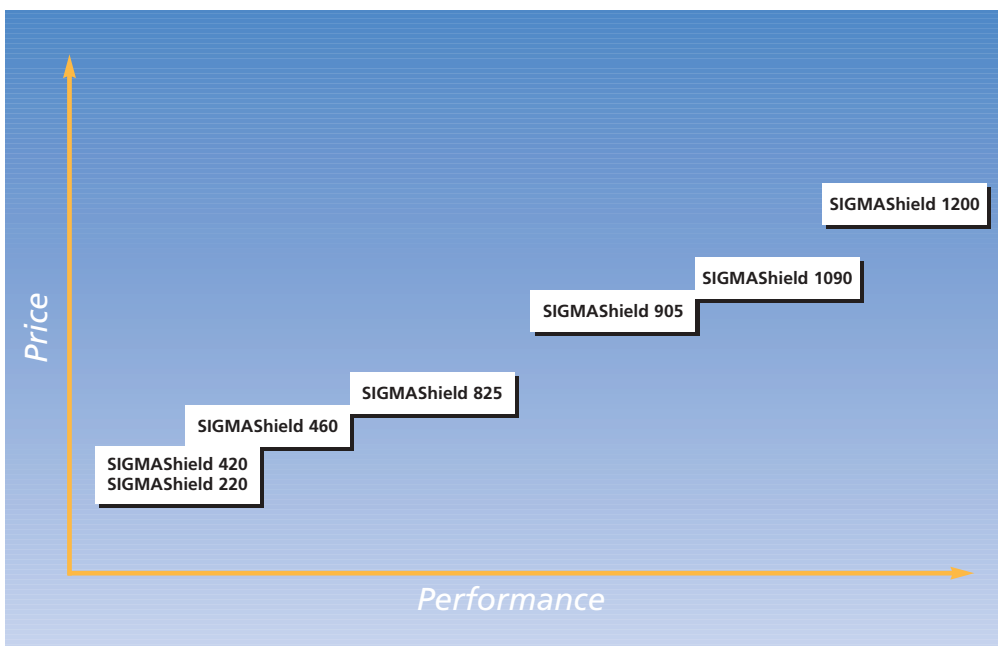
The SigmaShield range of products are qualified and approved to meet the demanding duty of offshore, oil and gas, power and infrastructure applications.



Strength for heavy duty applications



Product Performance Chart



Sigma Heavy Duty Reinforced Range



SigmaShield 1200

Unique two pack solvent-free phenolic epoxy coating, reinforced to give ultimate chemical abrasion resistance.

- One or two coat system
- Excellent impact and abrasion resistance
- Excellent resistance to crude oil up to 90°C / 194° F
- Excellent water resistance
- Eliminates explosion risk and fire hazard

This product offers the ultimate in chemical and abrasion resistance. Tests clearly show the combination of phenolic epoxy and aluminium oxide give much higher abrasion resistance than glass reinforced systems.

SigmaShield 1090

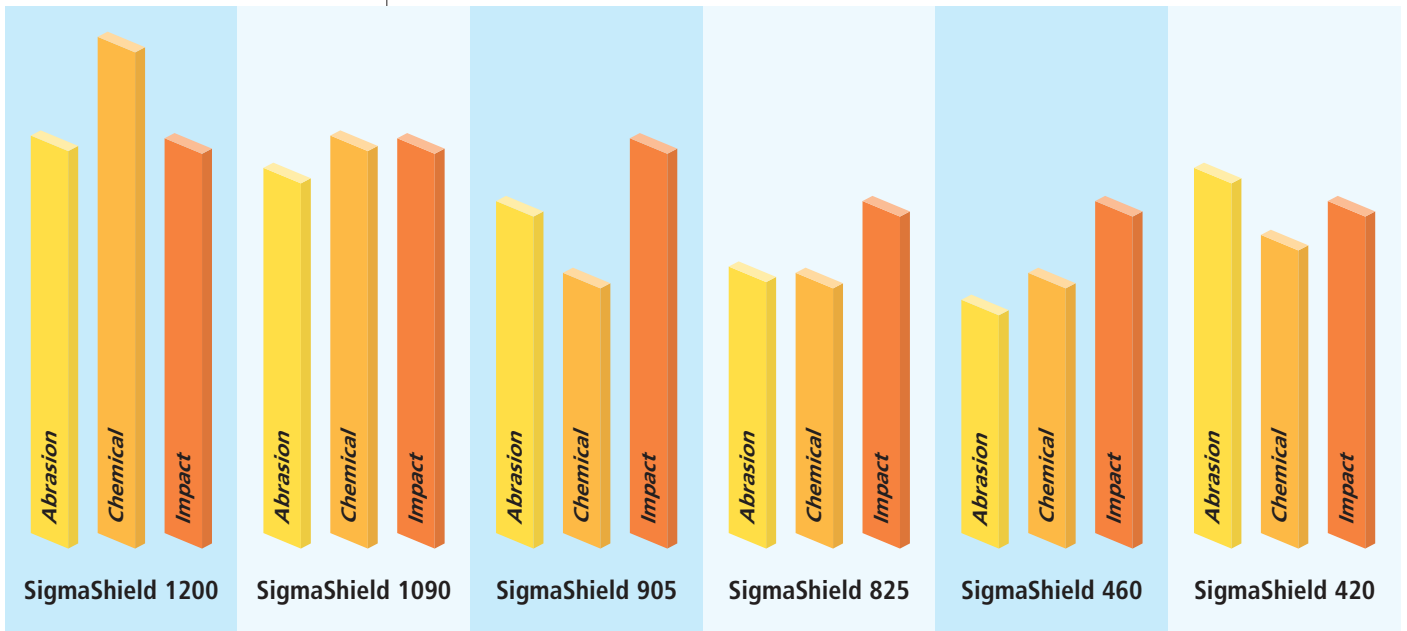
A flint reinforced epoxy coating designed to give ultimate impact and abrasion resistance at thicknesses from 3 mm - 5 mm.

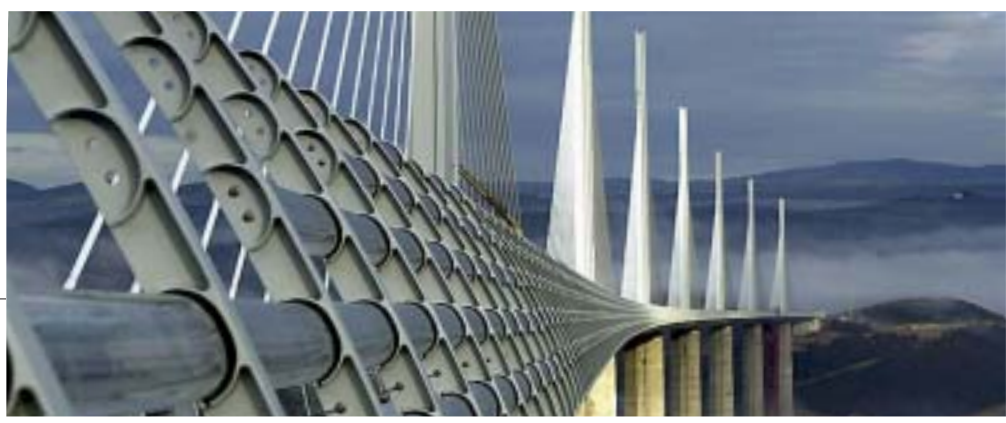
- Seamless, water impermeable coating
- Excellent anti corrosive properties
- High resistance against impact and wear
- Exposable to water within 30 minutes after application

This product delivers exceptional performance where impact and abrasion is extreme.

NB: SigmaShield 1090 offers high chemical resistance in addition to impact and abrasion resistance.

Performance Chart





SigmaShield 905

A solvent free glass reinforced pure epoxy coating for chemical resistance and abrasion resistance.

- Solvent free
- One coat protection
- Excellent abrasion and impact resistance
- Good resistance to various chemicals
- Application by heavy duty single feed airless spray equipment (60:1)

SigmaShield 460

A glass reinforced epoxy coating where ease of application is a key requirement.

- Excellent abrasion and impact resistance
- Long term protection
- Excellent resistance to corrosion
- Tar-free
- Application and curing at temperatures down to 5°C / 41°F

SigmaShield 220

A high solids high build reinforced primer giving good chemical and abrasion resistance in combination with SigmaShield 420.

- General purpose primer for coating systems for steel
- Good abrasion resistance
- Excellent corrosion resistance
- Good resistance against chemically polluted water

SigmaShield 825

A high solids highly glass reinforced epoxy coating for high abrasion areas.

- High solids
- Excellent abrasion and impact resistance
- High level of glassflake
- Tar-free
- Corrosion resistant

SigmaShield 420

A high solids reinforced coating system giving good chemical and abrasion resistance in combination with SigmaShield 220.

- Suitable for cargo tanks of bulk- or oil carriers and storage tanks
- Excellent abrasion and impact resistance
- Easy to clean
- Good low temperature curing



SigmaShield applications



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

Infrastructure

- Decks and walkways
- Waste and water tanks
- Caisons

Offshore

- Helidecks
- Jackets and Caissons
- Decks and Walkways
- Slurry Tanks

Oil and Gas

- Jetties
- Floating roof tanks
- Walkways

Mining and Minerals

- Conveyor / slurry lines
- Decks and walkways

Power

- Condensate box
- Convey / slurry lines
- Renewable energy applications



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 SigmaShield range.



The SigmaShield Range Renamed

SigmaShield 1200 (*Sigma Novashield*)

- Two pack, solvent free, reinforced, phenolic epoxy coating

SigmaShield 1090 (*SigmaCover Armour compound*)

- Two pack, solvent free, flint reinforced epoxy coating

SigmaShield 905 (*Sigmaguard CSF Glassflake*)

- Two pack, solvent free, glass reinforced, pure epoxy coating

SigmaShield 825 (*New Development*)

- Two pack, high solid, extrusive glass reinforced epoxy coating

SigmaShield 460 (*Sigmacover TCP Glassflake / Sigma Glassflake*)

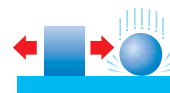
- Two pack, solvent based, glass reinforced epoxy coating

SigmaShield 420 (*Sigma Multiguard*)

- Two pack, high solid, high build, reinforced epoxy coating

SigmaShield 220 (*Sigma Multiguard primer*)

- Two pack, high solid, reinforced, epoxy primer



Excellent resistance to abrasion and impact



Long lasting strength



Resistant to water immersion



Resistant to sea/coastal atmosphere



Compatible with cathodic protection



Direct to metal technology

Worldwide Support Services

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

SigmaShield 1200
Product data sheet 7744

SigmaShield 1090
Product data sheet 7490

SigmaShield 905
Product data sheet 7954

SigmaShield 825
Product data sheet 7745

SigmaShield 460
Product data sheet 7952

SigmaShield 420
Product data sheet 7951

SigmaShield 220
Product data sheet 7922



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