

SIGMA *Guard*

Tanklining Range

Protective Coating solutions that cover your needs

- SIGMA *PhenGuard* 940
- SIGMA *PhenGuard* 935
- SIGMA *PhenGuard* 930
- SIGMA *NovaGuard* 840
- SIGMA *Guard* 790
- SIGMA *Guard* 750
- SIGMA *Guard* 720
- SIGMA *Guard* CSF 650
- SIGMA *Guard* CSF 585
- SIGMA *Guard* CSF 575

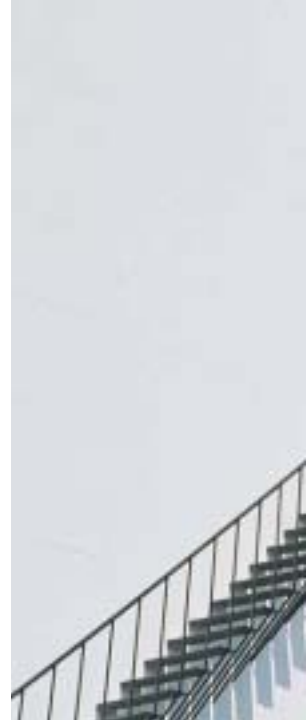


The Sigma Tanklining Range - Outstanding chemical re

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.

Sigma provides world-beating tank linings which are used for all types of cargoes and stored products. The range includes pure epoxy, phenolic epoxy and zinc silicate tank coatings offering long term anti corrosive performance as well as solvent based and solvent free coatings for areas such as oil and gas and chemical tanks, drinking water and specialist situations like raw sewage storage and boiler systems.

Sigma's highly specialised coatings not only meet the operational needs of today's cargo and storage industries but the demands of constantly evolving legislation.



THE COATINGS SOLUTIONS FOR YOUR STORAGE TANK REQUIREMENTS

OIL & GAS

- SigmaGuard 720
- Sigma PhenGuard 930/935/940
- SigmaGuard CSF 650
- Sigma NovaGuard 840

CHEMICALS

- SigmaGuard 790
- SigmaGuard 720
- SigmaGuard 750
- Sigma NovaGuard 840
- Sigma PhenGuard 930/935/940

WATER

- SigmaGuard CSF 575
- SigmaGuard CSF 585

WASTE WATER

- SigmaGuard 790
- Sigma PhenGuard 930/935/940

sistance



Product Performance Chart



Sigma Tanklining Range



Chemical resistance

Value and effectiveness are just two of the key issues when dealing with chemical products. Sigma Coatings always meets these needs with products designed to deliver the right levels of protection combined with ease of use and an understanding of the pressures of time and cost of application and maintenance.

Sigma PhenGuard 940/935/930

An ideal solution where high resistance to organic acids, alcohols, edible oils, fats (regardless of free fatty acid content), and solvents is required.

Each coat in the Phenguard system is a two component high-build, amine adduct cured phenolic epoxy coating.

- Resistant to methanol
- Good resistance to hot water
- Low cargo absorption
- Food certificate
- Recognised corrosion control coating (Lloyd's register)
- Smooth surface after application
- Easy to clean
- Extensive track record
- Light coloured enhancing application and inspection
- Colour - grey finish
- 3 coat phenolic epoxy coating
- FDA approval
- Can be applied by single feed airless spray

Sigma NovaGuard 840

Tank coating for crude oil up to 90°C.

Two component solvent free amine cured phenolic epoxy coating. Sigma Novaguard 840 provides superb resistance to crude oil and is highly effective for storing a variety of unleaded gasolines, chemicals and solvents.

Frequently used for the carriage and storage of dry, solid foods. Its unique properties make Sigma Novaguard 840 an excellent choice for glassfibre reinforced systems.

- One coat solvent free phenolic epoxy tank coating
- Easy to clean
- Can be applied by single feed airless spray
- Light colour for easy inspection
- Approved to Air BP F2D2 section 2.1 for the storage of jet fuels
- Colours: green and cream – gloss
- Can be used as pitfiller in crude oil storage tanks

SigmaGuard 790

Tough protection against waste water.

Two component high solids polyamine cured epoxy coating.

A market leading solution where excellent water and chemical resistance is combined with good abrasion resistance – essential properties where waste water slurries are carried.

- Suitable for waste water slurries of pH2-10
- Easy to clean
- Colours: greenish grey – gloss
- Excellent track record
- Can be applied by a single feed airless spray

Maximum cargo flexibility

With over a thousand different cargoes being transported or stored around the world, versatility means profitability. By enabling you to handle an exceptionally wide range of cargoes and food products, Sigma Phenguard enables you to maximise your business opportunities.





SigmaGuard 750

Excellent solvent and chemical resistance at high and low temperatures.

Two component moisture curing zinc rich (ethyl) silicate coating

To be used as a tank coating or as a system primer in various paint systems.

- One coat system
- Recognised corrosion control (Lloyds' Register)
- Can be applied by single feed airless spray
- Extensive track record
- Easy to clean
- Certificate ASTM A490 Class B for slip co-efficient

SigmaGuard 720

Good chemical resistance against a wide range of chemicals.

Two component high solids polyamine cured epoxy coating.

- Short curing times
- Good low temperature cure
- Easy to clean
- Can be applied by a single feed airless spray
- Recognised corrosion control coating (Lloyd's register)
- Colours: light green, grey – gloss
- Cost effective
- Excellent track record

Sigmaguard CSF 585

Tank coating for drinking water meeting latest legislation.

Two component solvent free amine cured epoxy coating.

Designed with providing the best water quality as its first priority, this long lasting coating delivers excellent coverage and elasticity. It is approved by the Water Quality Centre and meets the criteria of all major quality standards and approval authorities including BS 6920 Part 1 (UK), KIWA (NL), NSF (USA) and countries like Germany, Singapore.

- Benzyl alcohol free, resulting in minimal formation of bacterial slimes
- Can be applied by single feed airless spray
- Light colour for easy inspection Colours: blue and white – gloss
- One coat solvent free
- Easy to clean

SigmaGuard CSF 650

A one-coat, anti-corrosion solution for crude oil and aliphatic petroleum products.

Two component solvent free amine cured epoxy coating. Just one coat is required to provide protection for storage tanks holding crude oil and aliphatic petroleum products as well as a wide variety of chemicals.

- One coat solvent free coating
- Allows reinforcing with chopped glassfibre or mat.
- Can be applied by single feed airless spray
- Light colour for easy inspection
- Recognised corrosion control (Lloyds register)
- Meets requirements of Mil-C-4556E for resistance against aircraft fuel and fuel degradation.
- Colours: green – gloss
- Easy to clean
- Can be used as a pitfiller in crude oil storage tanks
- Excellent track record

SigmaGuard CSF 575

Tank coating for drinking water tanks.

Two component solvent free amine cured epoxy.

Approved for potable water by: National Institute of Public Health, Norway ref. No. Inr. SK 551/82, and complies to Australian Standard AD 4020(Int)-1994

- One coat solvent free coating
- Recognised corrosion control (Lloyds' Register)
- Can be applied by single feed airless spray
- Eliminates risk of explosion or fire
- Light colour for easy inspection
- Colours: cream – gloss
- Extensive track record
- Easy to clean



Solvent free coatings

Solving difficult problems is a Sigma speciality. Our range of solvent free coatings are used to ensure safe storage of products ranging from drinking water to crude oil. As well as eliminating the risk of fire and explosion, each coating also provides specific benefits to help you offer the most effective service to your customers. The pitfilling properties make Sigma's solvent free range an excellent choice for tank bottom maintenance.

SigmaGuard applications



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



Offshore

- Drinking water tanks
- Slop tanks
- Pipelines

Oil and Gas

- Land storage tanks
- Waste water facilities
- Pipelines

Power

- Storage tanks
- Waste water facility

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 SigmaGuard range.



The SigmaGuard Range Renamed

Sigma PhenGuard 940 (*Sigma PhenGuard Finish*)

- Two pack, high build, amine adduct cured phenolic epoxy finish

Sigma PhenGuard 935 (*Sigma PhenGuard Coating*)

- Two pack, high build, amine adduct cured phenolic epoxy coating

Sigma PhenGuard 930 (*Sigma PhenGuard Primer*)

- Two pack, high build, amine adduct cured phenolic epoxy primer

Sigma NovaGuard 840 (*Sigma NovaGuard*)

- Two pack, solvent free, amine cured phenolic epoxy

SigmaGuard 790 (*SigmaGuard HS*)

- Two pack, high solid, polyamine cured epoxy

SigmaGuard 750 (*Sigma Silguard MC*)

- Two pack, moisture curing, Zinc rich (ethyl) silicate

SigmaGuard 720 (*SigmaGuard EHB*)

- Two pack, high solid, polyamine cured epoxy

SigmaGuard CSF 650 (*SigmaGuard CSF*)

- Two pack, solvent free, amine cured epoxy

SigmaGuard CSF 585 (*SigmaGuard CSF 85*)

- Two pack, solvent free, amine cured epoxy

SigmaGuard CSF 575 (*SigmaGuard CSF 75*)

- Two pack, solvent free, amine cured epoxy



Approved product



Resistant to chemical immersion



Resistant to water immersion



Suitable for potable water



Solvent free 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

Sigma Phenguard 940
Product data sheet 7436

Sigma Phenguard 935
Product data sheet 7435

Sigma Phenguard 930
Product data sheet 7409

Sigma Novaguard 840
Product data sheet 7453

SigmaGuard 790
Product data sheet 7448

SigmaGuard 750
Product data sheet 7551

SigmaGuard 720
Product data sheet 7433

SigmaGuard CSF 650
Product data sheet 7443

SigmaGuard CSF 585
Product data sheet 7785

SigmaGuard CSF 575
Product data sheet 7475



Andrews Coatings Ltd
Carver Building, Littles Lane
Wolverhampton
West Midlands WV1 1JY
Tel: 01902 712286
Fax: 01902 426574
sales@sigmacoatingsdirect.co.uk
www.sigmacoatingsdirect.co.uk

Member of the
SigmaKalon Group



939249

