

Sigma

Below are a few of the products in the Sigma Range.

Sigma Cover



SigmaCover™ is a range of tough, durable epoxy coatings designed for both new build and maintenance of major assets.

The range has a number of outstanding features to ease application.

The benefits of SigmaCover™ result in easy to apply, cost-effective solutions within a wide range of applications across the protective coatings industry. The following specific characteristics can be found in certain products within the SigmaCover™ range.

- Unlimited recoatability
- Cold cure characteristics
- VOC compliant
- Tough durable coatings
- Ease of application
- Cost-effective

Primers

SigmaCover™ 280

Two pack universal epoxy primer

- Excellent universal primer for atmospheric or immersion applications
- Good adhesion to non-ferrous substrates and galvanised steel
- Compatible with CP systems
- Long recoating intervals
- Suitable on wet blast substrates (damp or dry)



SigmaCover™ 256

Two pack zinc phosphate recoatable epoxy primer

- Unlimited recoatability
- Suitable for atmospheric conditions
- Excellent corrosion resistance in industrial or coastal applications
- Cold cure characteristics down to -10°C
- Good adhesion to galvanised steel
- Easy application by brush/roller/spray

SigmaCover™ 211

Two pack epoxy concrete primer

- Specifically designed for concrete substrates
- Good chemical resistance
- Good impact and abrasion resistance
- Easy to clean



Coatings

SigmaCover™ 480

Two pack chemical resistant epoxy finish

- Specifically designed for chemical resistance
- Resistant to impact and abrasion
- Extended recoating intervals
- Easy application by brush/roller/spray
- Easy to clean

SigmaCover™ 456

Two pack recoatable epoxy coating

- Excellent durability, tough with long-term flexibility
- Cold cure characteristics down to -10°C
- Good adhesion to aged alkyds, chlorinated rubbers and epoxy coatings
- Easy to apply by brush/roller/spray
- Unlimited recoatability

SigmaCover™ 435

Two pack micaceous iron oxide pigmented recoatable epoxy coating

- Excellent durability, tough with longterm flexibility
- Cold cure characteristics down to -10°C
- Good adhesion to aged alkyds, chlorinated rubber and epoxy coatings
- High temperature characteristics up to 200°C
- Easy to apply by brush/roller/spray
- Unlimited recoatability



SigmaCover™566

Two pack epoxy acrylic tiecoat

SigmaCover™522

Two pack micaceous iron oxide pigmented epoxy sealer

SigmaCover™1500

Two pack solvent free epoxy

SigmaCover™630

Two pack high solids epoxy

SigmaCover™805

Two component high solids epoxy

SigmaCover™300

Two pack high build coal tar epoxy

SigmaCover™1000

SigmaCover 1000 is a new product that meets these latest requirements. SigmaCover 1000 is a solvent free epoxy coating that can be applied in high dft's from 500 to 1000 microns in one coat directly to steel without the use of a primer. The product is fully compatible with cathodic protection and has an excellent corrosion resistance.

Sigma Cover Applications



The SigmaCover™ range is widely used and trusted across the industry sector of the protective coatings business. The products meet the very challenging environment found in infrastructure, power, oil and gas, offshore and civil building.

Infrastructure

- Bridges
- Port and harbour structures
- Waste and water

Petrochemical

- Steel construction
- Tank externals

Power

- Wind turbines
- Power plants

Offshore

- Offshore platforms
- TLP
- Drilling rigs
- FPSO
- Coastal structures

Civil building

- Airports
- Stadia
- Shopping complexes

SigmaDur



Aggressive environments demand highly durable systems. Incorporating innovative technology, the SigmaDur range offers exceptional protection for the life of the structure. The systems have been tested to meet and exceed the highest international standards such as Norsok M501 and Florida testing according to ACQPA.

The SigmaDur range delivers outstanding performance: durability, colour and gloss retention characteristics to give you coatings that look good and work hard, through many years of atmospheric exposure, chemical spills and petroleum splashes and spillage. Together, the SigmaDur range gives you solutions for all kinds of industrial and infrastructure problems whilst delivering exceptional value.

SigmaDur 2500

Two Pack, new generation flexible Polynova Polysiloxane for durability up to 20 years.

- High solids, VOC compliant finish
- Isocyanate free
- Excellent colour and gloss retention
- Excellent performance in harsh environments
- Excellent atmospheric, abrasion and corrosion resistant systems
- Excellent resistance to splash of mineral and vegetable oils, paraffins, aliphatic petroleum products and mild chemicals.
- Facilitates lower application costs through reduced number of coats



SigmaDur 1800

Two Pack, new generation Polymeric Urethane for durability up to 20 years.

- High solids, high gloss VOC compliant finish
- Excellent performance in harsh environments
- Cures down to -5°C
- Excellent atmospheric, abrasion and corrosion resistant systems
- Outstanding colour and gloss retention
- Excellent resistance to splash of mineral and vegetable oils, paraffins, aliphatic petroleum products and mild chemicals.
- Facilitates lower application costs through reduced number of coats
- Can be overcoated even after long periods of atmospheric exposure

SigmaDur 580



Two pack, high solids recoatable semigloss Polyurethane for durability up to 12 years. Long life asset protection in a semi gloss finish with excellent resistance to atmospheric conditions.

SigmaDur 550

Two Pack, Aliphatic Acrylic Polyurethane for durability up to 10 years. Cost effective protection with outstanding resistance to weather, abrasion and mild chemicals. Excellent asset protection with good resistance to weather, abrasion and mild chemicals.

SigmaDur 540

Two Pack, Epoxy Acrylic for durability up to 10 years. Isocyanate free high gloss colours finish, delivering good colour and gloss retention.



SigmaDur 520

Two Pack, Aliphatic Acrylic Polyurethane for durability up to 10 years. Excellent asset protection with good resistance to weather, abrasion and mild chemicals.

SigmaDur 500

Two Pack, Aliphatic Acrylic Polyurethane for durability up to 7 years. Cost effective, application friendly polyurethane finish with the versatility of unlimited recoating time.

SigmaDur Applications

The SigmaDur range is widely used and trusted across key industry sectors, meeting the very demanding challenges required to protect major assets.

Offshore including:

- Offshore Platforms
- TLPs
- Drilling Rigs
- Coastal Inland Structures
- FPSO

Oil & Gas including:

- Jetty Protection
- Storage Facilities
- Process Equipment
- Pipelines and Jetties
- Refineries

Power including:

- Power Plants
- Wind Turbines
- Mechanical & Electrical structures
- Steel and Concrete tanks

Infrastructure including:

- Bridges
- Port and Harbour Structures
- Tanks
- Stadiums and Airports



SigmaGuard

The SigmaGuard range includes pure epoxy, phenolic epoxy and zinc silicate tank coatings. It offers long term anticorrosive performance as well as solvent based and solvent free coatings.



Sigma PhenGuard TM 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

Sigma NovaGuard TM 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.

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.

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.



SigmaGuard 720

Good chemical resistance against a wide range of chemicals. Two component high solids polyamine cured epoxy coating.

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.

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 and Singapore.

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

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.

Petrochemical

- Land storage tanks
- Waste water facilities
- Pipelines

Offshore

- Drinking water tanks

- Slop tanks
- Pipelines

Power

- Storage tanks
- Waste water facility

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