

# SIGMA Cover™ 1500

The preferred Protective Coating solution for new construction and maintenance

FEATURE	BENEFIT
Effective barrier	<p>One primer/buildcoat providing <b>excellent corrosion protection</b> and water resistance</p> <p>One primer/buildcoat <b>reducing application costs</b></p> <p>One primer/buildcoat improving productivity and <b>reducing downtime</b> of a storage tank</p> <p>Surface tolerant characteristics <b>reducing surface preparation costs</b></p> <p>One primer/buildcoat <b>resistant to splash and spillage</b> of crude oil, petroleum products and mild chemicals</p>
Application	<p><b>Easy application</b> by roller and single feed airless equipment 60:1</p> <p>Compatible with various aged coatings like epoxy, polyurethane and aged alkyd providing <b>maximum application flexibility</b></p> <p><b>Good recoatability</b> with epoxy-, polyurethane- and alkyd paints</p> <p><b>Excellent adhesion</b> on various substrate pretreatment including wet blasted cleaned substrates offering maximum application flexibility</p>
Low VOC	<p>Eliminates explosion risk and fire hazard <b>improving working safety</b></p> <p><b>Environmental friendly</b></p> <p><b>Economic solution</b> compared with solvent borne systems</p>

- Excellent corrosion protection
- Reducing application costs
- Reducing downtime
- Reducing surface preparation costs
- Resistant to splash and spillage
- Easy application
- Maximum application flexibility
- Good recoatability
- Excellent adhesion
- Improving working safety
- Environmental friendly
- Economic solution

PRIMER AND BUILDCOAT IN ONE  
EXCELLENT CORROSION PROTECTION AND WATER RESISTANCE  
SURFACE TOLERANT  
SOLVENT FREE  
CONSTRUCTION AND MAINTENANCE-FRIENDLY

# SIGMACover™ 1500

## A cost-effective, hard-working coating that does two jobs at once

Coatings for the exterior of tanks are as numerous as those applied to other steel structures. Indeed, there is nothing fundamentally different in the protection of steel tank exteriors from the protection of any steel structure in the atmosphere. Thirty years ago, red lead and lead and zinc chromate based prime coats overcoated by drying oil or oleo-resinous finishes predominated.

Nowadays, ethyl zinc silicate, zinc epoxy and epoxy zinc phosphate primers have replaced the old primers, because of the toxic problems of lead and chromate pigments. In aggressive coastal service or in humid or wet situations,



they demand an intermediate barrier. Epoxies, polyurethanes, solvent borne acrylics and conventional alkyds and enamels are also common.

Water can lie in depressions on roofs or floating roofs and other structures.

In certain climates this means that some areas are almost continuously underwater. The quality of surface preparation and system chosen must therefore be suitable for immersion service. SigmaCover™ 1500 is a coating that can be used for these purposes on roofs meeting these severe requirements.

Various options are available for the corrosion protection of the externals of new tank plate walls and roofs. However, for existing tanks it is a challenge to do this with as little damage to the environment as possible. Blasting back to clean steel of ISO SA 21/2 is a waste of money if the existing paint system is in a good condition. This means good adhesion and a rust formation less than ISO Ri 2.

SigmaCover™ 1500 is an ideal coating for new building and maintenance situations and can be called "surface tolerant". It requires limited surface preparation with respect to rust removal (ISO St2 or SSPC Pt2) and is compatible with many types of old paint systems such as alkyd, epoxy and polyurethane. SigmaCover™ 1500 is solvent free making it safer to work with and more economical than traditional coating systems. One of the other benefits of SigmaCover™ 1500 is that abrasive blast cleaning is not essential. Blasting and abrasive disposal is expensive, polluting and can damage sensitive equipment. Fortunately SigmaCover™ 1500 can be applied on power tool cleaned rusty areas followed by high pressure washing to remove dirt and soluble contamination. The bare steel and areas of residual rust may then be patch-primed before applying SigmaCover™ 1500 as a full coat. SigmaCover™ 1500 provides maximum application flexibility and reduces application costs.

Where there is a potential for overspray to cause damage to near-by items, such as vehicles and structures, there is a trend towards the use of roller application. SigmaCover™ 1500 can be applied by roller and airless spray at 125 µm (5 mils) dry film thickness.

SigmaCover™ 1500 is an epoxy primer/buildcoat which means that it combines the sealing and corrosion inhibiting properties of a primer and the barrier properties of a buildcoat in one coat. SigmaCover™ 1500 will improve productivity and reduce downtime of a storage tank. SigmaCover™ 1500 can be topcoated with SigmaCover™ CM Series, SigmaDur™ Series or SigmaMarine™ Series, making it an excellent choice for both new construction and maintenance.



Primer & build coat in one



Corrosion resistant



Water protection



Reduced application costs



Environmentally friendly



Easy application

Please check our website for the latest version of the product datasheets: [www.sigmacoatings.com/protective](http://www.sigmacoatings.com/protective)



**SigmaKalon Marine & Protective Coatings B.V.**

P.O. Box 58034

1040 HA Amsterdam, The Netherlands

Tel: +31 (0) 20 407 5050

Fax: +31 (0) 20 407 5059

Email: [sigma.protectivecoatings@sigmakalon.com](mailto:sigma.protectivecoatings@sigmakalon.com)