



SIGMASHIELD™ 1200

Solvent-free phenolic epoxy – durable protection and improved efficiency

- Unique, solvent-free phenolic epoxy with outstanding abrasion resistance
- Ultimate protection in a single product
- Minimum environmental impact
- Highest durability in harsh offshore conditions
- Transportation and installation proof
- Lifetime performance and maintenance free
- Recognized by major independent certification and approval institutes
- Long and successful track record



**PPG Protective &
Marine Coatings**

Bringing innovation to the surface.™

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Lifetime protection – proven performance

There is a growing trend for expanding wind farms offshore, bringing new challenges and requirements for the protection of the foundations in this aggressive environment. Therefore, coating systems applied to these structures must be durable, with long-term performance capabilities, as the harsh offshore conditions do not support regular maintenance schedules.

The *SIGMASHIELD* 1200 coating meets the criteria required to give resilient long-term protection to offshore installations. This coating is a solvent-free, phenolic epoxy with outstanding anticorrosive performance as well as possessing excellent impact and abrasion resistance.

Improved efficiency – reduced environmental impact

Balancing performance and cost is a critical issue for all stakeholders. *SIGMASHIELD* 1200 coating is easy to apply due to its exceptional edge coverage with no shrinkage at high-film thickness even in critical areas, plus the assurance that the dual objectives of long in-service periods and minimal maintenance will be met.

Applicators benefit from healthier, safer and more environmentally friendly working conditions with the *SIGMASHIELD* 1200 coating. Safety is further enhanced with this advanced system as the coating is solvent-free, which greatly improves working conditions and reduces explosion risk and fire hazard.

The coating has excellent application properties and can be applied as a two-coat, single product – no primer required – by cold single-feed airless spray. The coating is extremely flexible and can be applied at high-film thicknesses – thereby improving efficiency.

The ultimate solution for minimal maintenance

The high durability and abrasion-resistant properties of the *SIGMASHIELD* 1200 coating means that repairs due to transport and installation damage are greatly reduced. Furthermore, once in service, the critical areas of the structure such as the transition zone, boat landings and access ladders will be securely protected from damage as a result of drifting ice, driftwood, other debris and the mooring of inspection vessels.

The *SIGMASHIELD* 1200 coating offers extended service lifetime, minimum maintenance, and reduced environmental impact, in keeping with the 'green' image of wind power generation. This innovative coating is fully supported by a long and successful track record in aggressive exposure conditions.

Independent approval

Fully approved to NORSOK M-501, ISO 12944 and ISO 20340. Certified by Lloyd's Register of Shipping as an abrasion-resistant ice coating. Certified by Aker Arctic technology for low ice friction.

Features

- Unique, two-component, solvent-free phenolic epoxy
- Excellent abrasion and impact resistance
- Resistant to well-designed cathodic protection
- Good resistance against a wide range of chemicals and solvents
- Exceptional edge coverage with no shrinkage at high-film thickness
- Applied by heavy-duty, cold single-feed airless spray equipment (60:1)
- Low-temperature version available – cures down to +5°C (41°F)

Benefits

- Excellent impact and abrasion resistance – less damage and reduced maintenance
- Solvent-free – environmentally friendly
- Reduced explosion and fire risk in confined spaces – improved health and safety
- Application friendly – greater productivity
- Flexible application – improved efficiency
- Fully approved and proven in service – established reliability

For durable protection, minimum maintenance and reduced environmental impact – choose the *SIGMASHIELD* 1200 solvent-free phenolic epoxy.