

Hempel NORSOK coating systems

NORSOK M-501 edition
5/6 system guide



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NORSOK M-501 approved systems from Hempel

Hempel is a world leader in the supply of protective and marine coatings to a wide variety of industries including:

- Oil and Gas
- Wind
- Infrastructure
- Thermal Power
- Marine
- Container
- Yacht

Our global capabilities allow us to supply our tailored coating solutions anywhere in the world, helping you protect your investment from corrosion. With 28 factories globally and operations in over 80 countries, wherever your next project takes you, you're never far from Hempel.

However, we recognise that our technologically advanced product ranges make up only half the story. Our people make the difference. With a global network of experienced personnel and trained coating advisors to help you deliver your project on time and to specification, Hempel's technical service is second to none.

We recognise that choosing a coatings' supplier is often a tough choice. We are here to make that choice easier.

For advice on regional product availability and additional schemes, please contact your local Hempel representative or email protective@hempel.com.

What is NORSOK M-501?

The NORSOK standards are a series of standards developed by the Norwegian petroleum industry. The purpose of these industry standards is to replace the individual oil company specifications and to add value, reduce cost and lead time and to remove unnecessary activities in offshore field developments and operation.

NORSOK M-501 mandates a series of systems based on generic coating type and minimum scheme thicknesses. In addition, for some systems, testing requirements are also necessary for pre-qualification to this standard. A full list of the systems within NORSOK can be found in the Frequently Asked Questions guide.

Each of the published system sheets provide examples of Hempel-recommended schemes, corresponding to the different systems within NORSOK M-501. Where a system requires pre-qualification, this is clearly stated and Hempel systems listed will have been subjected to all of the necessary pre-qualification testing. Where pre-qualification isn't mandatory, a series of recommended schemes are listed. This document covers only those systems appropriate to edition 5 and/or 6 of the NORSOK M-501 standard.

Exposure conditions

Atmosphere C5M

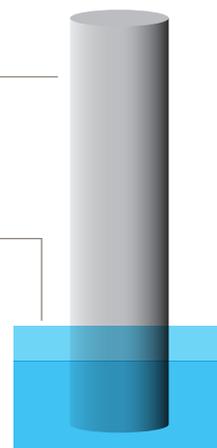
- Cyclic testing (ISO 20340:2009)
- Three-coat, zinc-rich system requires ≤ 3 mm scribe creep

Splash/tidal zone C5M + IM2

- Cyclic testing
- Cathodic Protection (CP)
- Water immersion

Immersed IM2

- Cathodic Protection (CP)
- Water immersion



As a world-leading supplier of trusted coating solutions, Hempel is a global company with strong values, working with customers in the protective, marine, decorative, container and yacht industries. Hempel factories, R&D centres and stock points are established in every region.

Across the globe, Hempel's coatings protect surfaces, structures and equipment. They extend asset lifetimes, reduce maintenance costs and make homes and workplaces safer and more colourful. Hempel was founded in Copenhagen, Denmark in 1915. It is proudly owned by the Hempel Foundation, which ensures a solid economic base for the Hempel Group and supports cultural, social, humanitarian and scientific purposes around the world.

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