



CASE STUDY

Baolihua Group uses AvantGuard® for the Jia Hu Wan power plant

Guangdong Baolihua Group in China has decided to make use of Hempel's HEMPADUR AvantGuard® 770 activated zinc primer to benefit from the products long-lasting anti-corrosive protection and improved application properties

Guangdong Baolihua Group Co. Ltd. has decided to go with Hempel as the favoured coating supplier for the first phase of the Jia Hu Wan 2x1000 mw power plant to a total investment of 8.831 billion yuan (1.32 billion EUR). The collaboration with Guangdong Baolihua Group includes Hempel as the designated anti-corrosive coating supplier as well as the supplier of technical service and supervision.

The benefits of activated zinc

Only around one-third of the zinc in a traditional zinc epoxy has an anti-corrosive effect. AvantGuard® technology activates ALL of the zinc in the coating, which significantly improves the coating's anti-corrosive performance and mechanical strength.

As a result of choosing Hempel's HEMPADUR AvantGuard® 770, Baolihua Group will benefit from a longer lasting coating and lower maintenance costs.



AvantGuard® redefining anti-corrosion

www.hempel.com/avantguard



About Baolihua Group Co. Ltd

Guangdong Baolihua Group Co. Ltd. is a diversified development listed company with business activities within energy, banking, and other fields. The company is headquartered in Guangzhou in China.

For more information about Baolihua Group and Jia Hu Wan power plant project, please visit: www.baolihua.com.cn/index.php

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Did you know...?

Back in 2007, Hempel's R&D team made an important discovery: only one-third of the zinc in a standard zinc epoxy is utilised for galvanic protection. Hempel spent 7,000 hours in the lab, creating 800 prototypes and 3,000 test panels, to come up with the solution: AvantGuard® technology, which uses hollow glass spheres and a special proprietary activator to activate all of the zinc in the coating.

AvantGuard® coatings meet a number of globally recognised standards, including ISO 12944 part 6, NORSOK M-501 revision 6, and SSPC Paint 20 type II. They are specified for C4 and C5 corrosive conditions and can be used in a range of areas, from offshore oil & gas platforms to conventional power plants and wind turbines.

For more information about AvantGuard, please visit:
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Easy-to-apply coatings with high tolerance

Baolihua Group Co. Ltd. pay high attention to the quality of the anti-corrosive coating to ensure a high protection and long durability to reduce maintenance costs. For that reason Baolihua Group Co. Ltd. decided to go with Hempel's top-end HEMPADUR AvantGuard® 770, in compliance with NORSOK M-501 revision 6, for all civil works and auxiliary machinery where a long lasting anti-corrosive protection is needed.

Unlike a number of zinc-rich coating technologies, AvantGuard® technology improves performance without increasing zinc content. Furthermore, the coatings can be applied with standard application techniques. Applicators are particularly pleased with the coating's ability to tolerate high dry film thicknesses without cracking or blistering, which ensures they remain easy to apply even if application conditions are not ideal.

The total volume of paint for phase 1 is estimated to 150.000 - 200.000 litre and the construction of the power plant will start during 2015 and the first phase is estimated for completion in 2017. Hempel will inspect the coating system as part of the negotiated service level agreement, and will continue to monitor the performance of the system over the coming years.

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