循环腐蚀实验和静态盐雾实验
Cyclic corrosion tests and salt fog test

许多研究学者已经意识到静态的盐雾实验不能真实反映涂装系统的防腐性能

Many researchers have realized that the static salt fog test can NOT reflect the coating anti-corrosive performance

- Douglas M.Grossman, "*More Realistic Tests for Atmospheric Corrosion*", Journal of Protective Coatings & Linings, Sep. 1996.
- Simon K. Boocock, "*Meeting Industry Needs for Improved Tests*", JPCL, Sep. 1995.
- Ole O. Knudsen *etc.* "*Accelerated Testing: Correlation between Four Accelerated Tests and Five Years of Offshore Field Testing*", JPCL, Dec. 2001.
- Bernard R. Appleman, "*Predicting Exterior Marine Performance of Coatings from Salt Fog: Two Types of Errors*", JPCL, Oct. 1992.
- Bernard R. Appleman, "*Accelerated Testing: The Prospects for Improved Coating Performance Evaluation*", JPCL, Nov. 1989

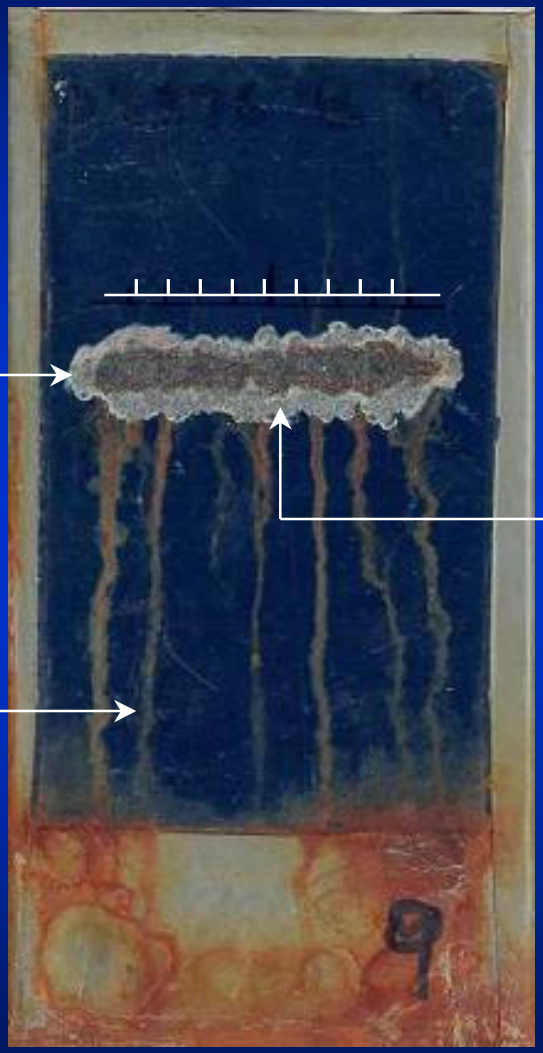
NORSOK M-501

做实验之前，先预制一道划痕

Before doing tests, make a scribe line

试板

Panel



腐蚀将在涂层与钢板之间向外扩散

Corrosion would creep into the coating system along the scribe line.

划痕腐蚀宽度是指腐蚀扩散的平均宽度

Corrosion creep is an average value

划痕腐蚀宽度越宽，涂层的防腐性能越差

The wider the corrosion creep, the worse the coating performance

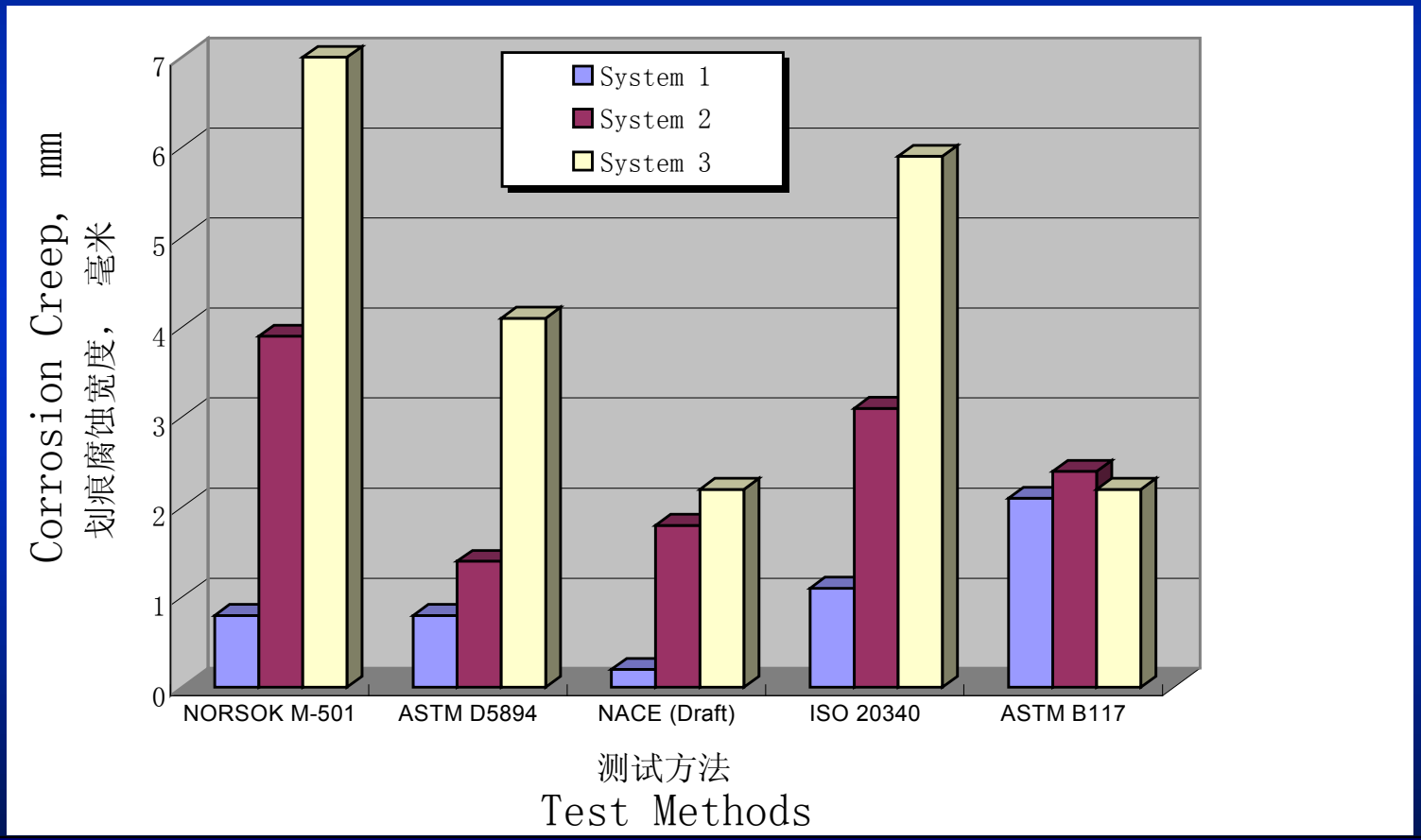
循环腐蚀实验和静态盐雾实验之对比

Comparison between cyclic corrosion tests and salt fog test

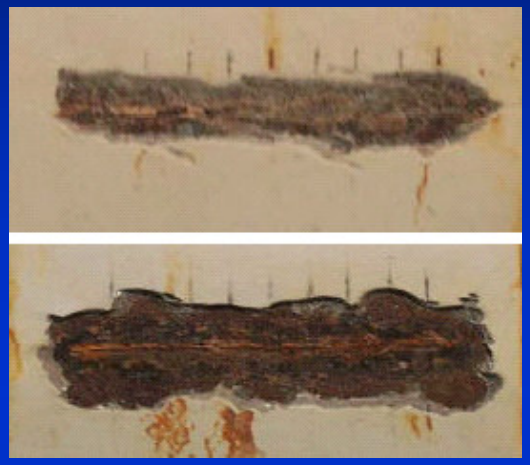
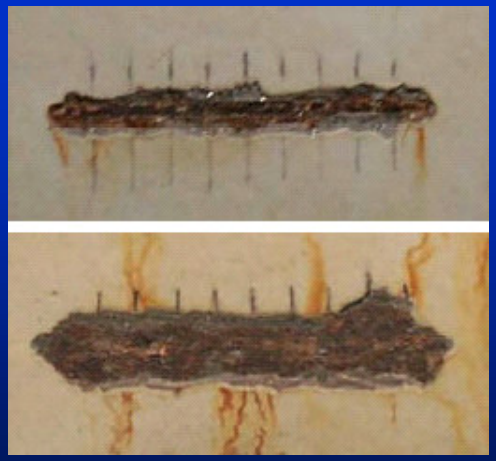
室外暴露实验已经证明三个涂层系统的防腐性能:

System 1 > System 2 > System 3

Exposure tests had shown the rank of coating performance



循环腐蚀实验和静态盐雾实验之对比
Comparison between cyclic corrosion tests and salt fog test

	循环腐蚀实验 CCT	盐雾实验 Salt Fog
用棱角砂表面处理 Grit blast		
用钢丸表面处理 Shot blast		
标准膜厚 Standard DFT		
双倍膜厚 Double DFT		



国际油漆涂层防腐系统的担保

Guarantees for International Coating System

International

AKZO NOBEL

防腐蚀担保与外观质量担保
Corrosion Guarantee & Aesthetic Guarantee

采用了阿克苏诺贝尔公司的防腐配套，将会获得：
Guarantee for AkzoNobel Standard Specification, you can have:

- 防腐蚀担保 Corrosion Guarantee
  - 针对于 ISO 4628-3 Ri3 5年的防腐蚀担保
  - 针对于 ISO 4628-3 Ri2 10年的防腐蚀担保
  - 针对于 ISO 4628-3 Ri1 15年的防腐蚀担保

- 外观质量担保 Aesthetic Guarantee
  5 年的质量担保 – **BS 3900 D5**部分**5**年光泽保持度 >60%
  Interfine系列丙烯酸聚硅氧烷面漆可提供更高年限的外观质量担保。



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- Widely Experience

  经验丰富

- 3rd Party Certified Coating Inspector

  第三方独立认证的涂装检查师

- Skilled and practiced

  技能全面

- Working for the client

  吃苦耐劳

International

AKZO NOBEL

国际油漆技术服务工程师
Technical Service Engineer

- We have more than 100 NACE technical service engineers all over China
- 在中国共有超过100名 NACE 的技术工程师
  - Marine 船舶
  - Offshore 海洋平台
  - Steel Structure Industry 工业钢结构
- NACE CIP is sponsored by PetroChina
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国际油漆技术服务工程师

Technical Service Engineer

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