

(Report No. T18-99-032)

Item(s): Ferric Chloride Pitting Test for Ce3Mn
Duplex Stainless Steel (ASTM G48 Practice A)



中國鋼鐵股份有限公司新材料研究發展處中鋼腐蝕測試中心

CHINA STEEL CORROSION TEST CENTER
NEW MATERIALS RESEARCH & DEVELOPMENT DEPARTMENT
CHINA STEEL CORPORATION

China Steel Corrosion Test Center

Test Report

(Report No. T18-99-032)

Test Item(s): Ferric Chloride Pitting Test for Ce3Mn
Duplex Stainless Steel (ASTM G48 Practice A)

Prepared By:

Tsung-Feng Wu
Tsung-Feng Wu, Ph.D./Engineer

Supervised By:

Hsing-Lien Wu
Hsing-Lien Wu /Lab.Group Leader

Approved By:

Hong-Yih Liou
Hong-Yih Liou, Ph.D./Section Manager

Date: April 6, 2010

Note: The results shown in this report refer only to the tested specimens provided by the applicant unless otherwise stated. This report should not be reproduced, except in full, without the written approval of the laboratory.

CSCTC, Product Application Research Section, Steel & Iron R & D Dept., China Steel Corp. 1 Chung Kang Road, Hsiao Kang, Kaohsiung 81233, Taiwan, R.O.C. Tel: 886-7-8021111 ext 3270 Fax: 886-7-8051093

Product Application Research Section,
Steel & Iron R & D Dept., China Steel Corp.

CSCTC Test Report

Applicant: Zipson Steel Industrial Co., Ltd.

Test Item: Ferric Chloride Pitting Test for Ce3Mn Duplex Stainless Steel (ASTM G48 Practice A)

Report No. T18-99-032 Received No. CSCTC-99-030

Date Received : March 19, 2010

Date Issued : April 6, 2010 Page : 1 of 2

Specimens (Item No.): Specimen designations with 1, 2, 3 (Ce3Mn Duplex Stainless Steel).

Test Methods: In accordance with ASTM G48 Practice A.

Immersion Temperature and Time: 50°C for 72 hours

Results and Comment:

Specimen designation	Weight loss
1	0.00031 g/cm ²
2	0.00049 g/cm ²
3	0.00031 g/cm ²

Note: Appearances of specimens before and after test are shown in Fig. 1.

1. The report refers to the specimen(s) submitted to testing only.
2. The content of this report is for reference only, but not for litigation or other commercial purpose.

Sampler Jui-Ming Hsu Prepared

Group Leader Hsing-lien Wu Section Manager

Tung-Feng Wu
Hsing-yih L

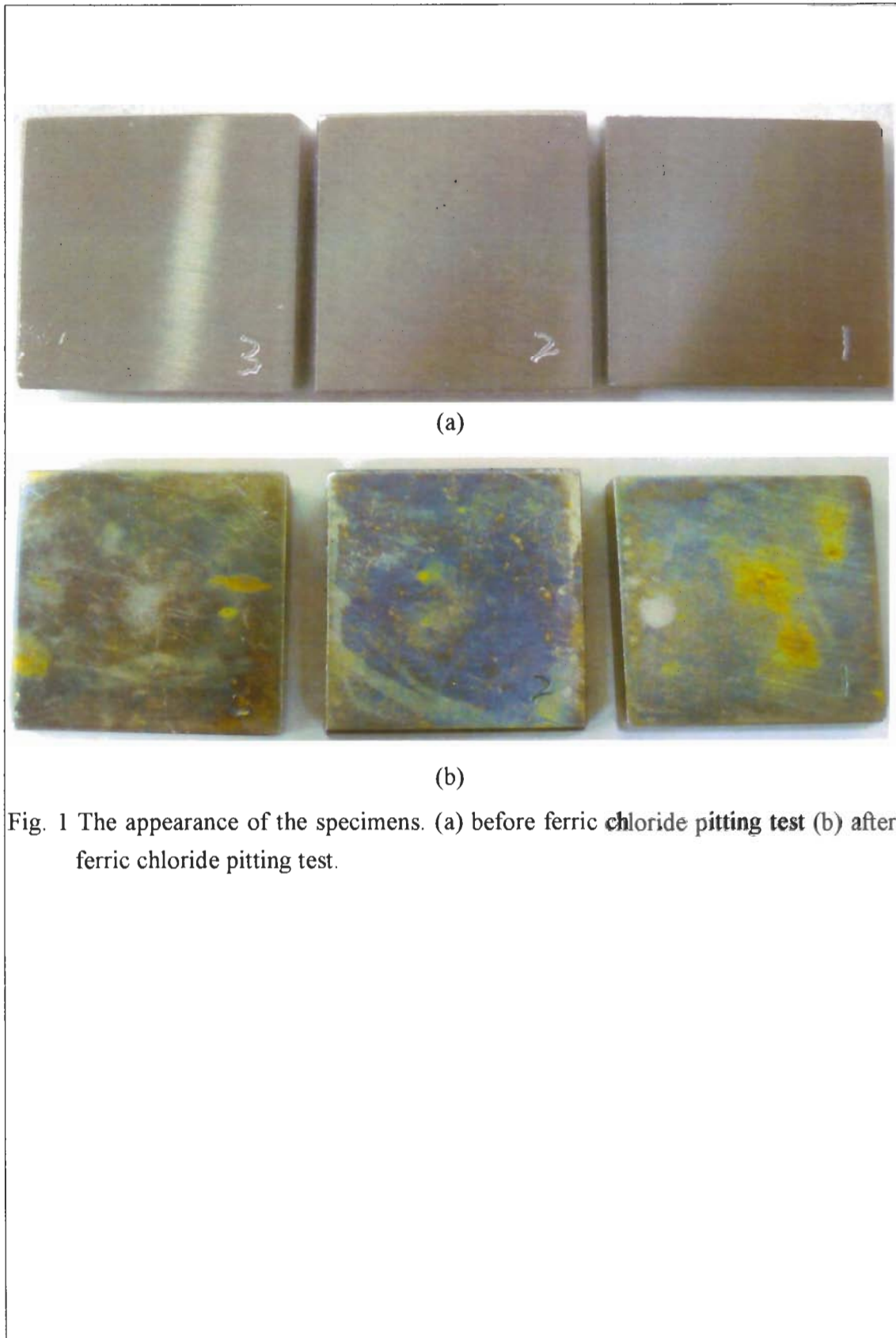


Fig. 1 The appearance of the specimens. (a) before ferric chloride pitting test (b) after ferric chloride pitting test.

1. The report refers to the specimen(s) submitted to testing only.
2. The content of this report for reference only, but not for litigation or other commercial purpose.