DIN EN ISO 28706-2:2011-08 (E)

Vitreous and porcel ain enamels - Determination of resistance to chemical corrosion - Part 2: Determination of resistance to chemical corrosion by boiling acids, boiling neutral liquids and/or their vapours (ISO 28706-2:2008)

Contents

Page

Foreword 3

Introduction 4

1 Scope 6

2 Normative references 6

3 Principle 6

4 Reagents 7

5 Apparatus and materials 7

6 Packing rings 12
6.1 General 12
6.2 Packing A 12
6.3 Packing B 13

7 Test specimens 13

8 Procedure 13

9 Expression of results 14
9.1 Total loss in mass per unit area 14
9.2 Corrosion rate 14

10 Boiling citric acid 14
10.1 General 14
10.2 Citric acid test solution 15
10.3 Duration of the test 15
10.4 Test report 15

11 Boiling sulfuric acid 15
11.1 General 15
11.2 Test solution 15
11.3 Duration of the test 15
11.4 Test report 16

12 Boiling hydrochloric acid 16
12.1 General 16
12.2 Test solution 16
12.3 Duration of the test 16
12.4 Test report 17

13 Boiling distilled or demineralized water 17
13.1 General 17
13.2 Test solution 17
13.3 Duration of the test 17

13.4 Test report 18

14 Other test solutions and/or conditions 18
14.1 General 18
14.2 Test solution 18
14.3 Duration of the test 18
14.4 Test report 19

Bibliography 20