

INTERNATIONAL
STANDARD

ISO
22479

First edition
2019-05

**Corrosion of metals and alloys —
Sulfur dioxide test in a humid
atmosphere (fixed gas method)**

*Corrosion des métaux et alliages — Essai au dioxyde de soufre en
atmosphère humide (méthode avec volume fixe de gaz)*



Reference number
ISO 22479:2019(E)

© ISO 2019



COPYRIGHT PROTECTED DOCUMENT

© ISO 2019

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	1
5 Apparatus	1
6 Test specimens	3
6.1 General	3
6.2 Dimensions	3
6.3 Preparation	3
6.3.1 Metals and alloys	3
6.3.2 Paints and varnishes	3
6.4 Arrangement of the test specimens	4
7 Test conditions	4
7.1 Test cycles	4
7.2 Test duration	5
8 Procedure	6
8.1 Introduction of water	6
8.2 Arrangement of the test specimens	6
8.3 Introduction of sulfur dioxide	6
8.4 Heating the test cabinet	6
8.5 Introduction of standard atmosphere	6
8.6 Replacement of water and sulfur dioxide	6
8.7 Cleaning of test specimens after test	6
8.7.1 General	6
8.7.2 Metals and alloys, metallic and non-organic coating test specimens	6
8.7.3 Organic coating test specimens	7
8.8 Performance check	7
9 Evaluation	7
10 Test report	7
Annex A (informative) Another example of a test cabinet	9
Annex B (informative) Performance check	10
Annex C (informative) Supplemental information	12
Bibliography	14