
**Paints and varnishes —
Electro-deposition coatings —**

Part 4:

**Compatibility of electro-deposition
coating materials with liquid, paste-
like and solid foreign materials**

*Peintures et vernis — Peintures d'électrodéposition —
Partie 4: Compatibilité des peintures d'électrodéposition avec des
matières liquides, pâteuses et solides*

ISO 22553-4:2019

<https://standards.iteh.ai/catalog/standards/iso/a51824e3-0803-4d45-b42c-7d5873612433/iso-22553-4-2019>



iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

ISO 22553-4:2019

<https://standards.iteh.ai/catalog/standards/iso/a51824e3-0803-4d45-b42c-7d5873612433/iso-22553-4-2019>



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 Principles	2
5 Apparatus and materials	2
6 Reagents	3
7 Foreign materials	3
8 Test panels	3
9 Method A — Direct contamination	3
9.1 Blank test	3
9.2 Number of determinations	4
9.3 Contamination of the electro-deposition tank with foreign material	4
9.3.1 Liquid foreign material	4
9.3.2 Paste-like foreign material	4
9.3.3 Solid foreign materials	5
9.4 Coating of the test panels	6
9.5 Evaluation	6
10 Method B — Contact contamination	6
10.1 Blank test	6
10.2 Number of determinations	6
10.3 Contamination of the test panels	6
10.4 Coating of the test panels	6
10.5 Evaluation	7
11 Method C — Contamination during the stoving process	7
11.1 Blank test	7
11.2 Number of determinations	7
11.3 Coating of the test panel	7
11.4 Preparation of the base panel with the foreign material	7
11.5 Stoving of the test specimens	8
11.6 Evaluation	8
12 Precision	8
13 Test report	9
Bibliography	10