

INTERNATIONAL
STANDARD

ISO
1518-1

Second edition
2019-06

**Paints and varnishes — Determination
of scratch resistance —**

**Part 1:
Constant-loading method**

*Peintures et vernis — Détermination de la résistance à la rayure —
Partie 1: Méthode à charge constante*





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
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Apparatus	2
6 Sampling	3
7 Test panels	4
7.1 Substrate	4
7.2 Preparation and coating	4
7.3 Drying and conditioning	4
7.4 Thickness of coating	5
8 Procedure	5
8.1 Test conditions	5
8.2 General test procedure	5
8.3 Procedure for a single specified load (“pass/fail” test)	5
8.4 Procedure for determination of the minimum load to cause penetration	5
8.5 Evaluation of the scribe	6
9 Precision	6
10 Test report	6
Bibliography	8