
**Preparation of steel substrates before
application of paints and related
products — Analytical colorimetry
method to support visual assessment
of surface preparation grades**

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

[ISO/TR 22770:2019](https://standards.iteh.ai/catalog/standards/iso/a60a59b1-c6ef-42da-bc0d-9007af8ca34b/iso-tr-22770-2019)

<https://standards.iteh.ai/catalog/standards/iso/a60a59b1-c6ef-42da-bc0d-9007af8ca34b/iso-tr-22770-2019>



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

[ISO/TR 22770:2019](https://standards.iteh.ai/catalog/standards/iso/a60a59b1-c6ef-42da-bc0d-9007af8ca34b/iso-tr-22770-2019)

<https://standards.iteh.ai/catalog/standards/iso/a60a59b1-c6ef-42da-bc0d-9007af8ca34b/iso-tr-22770-2019>



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 Symbols	2
5 Principle	2
6 Recommendations for instruments	3
6.1 Instrument handling	3
6.2 Instrument specifications	3
6.2.1 Illuminant and observer	3
6.2.2 Illuminating and viewing conditions	3
6.2.3 Tolerance of the instrument	4
7 Supporting data	4
7.1 General	4
7.2 Sample preparation	4
7.3 Results	4
8 Examples of application	5
8.1 General	5
8.2 Steel pipes producer for oil and gas industry	5
8.2.1 Application: control quality of blasting operation prior to anticorrosion coating	5
8.2.2 Reference substrate	6
8.2.3 Quality control	6
8.3 Cast iron foundry	6
8.3.1 Application: control quality of desanding operation of cast iron automotive parts	6
8.3.2 Reference substrate	6
8.3.3 Quality control	6
8.4 Trailers manufacturer	6
8.4.1 Application: control quality of blasting operation prior to painting	6
8.4.2 Reference substrate	6
8.4.3 Quality control	7
8.5 Production of freight wagons	7
8.5.1 Application: control quality of blasting operation prior to anticorrosion coating	7
8.5.2 Reference substrate	7
8.5.3 Quality control	7
8.6 Cold drawn bars producer	7
8.6.1 Application: optimisation of descaling operation	7
8.6.2 Reference substrate	7
8.6.3 Quality control	7
Annex A (informative) Methodology	8
Bibliography	11