



International  
Standard

**ISO 6270-2**

**Paints and varnishes —  
Determination of resistance to  
humidity —**

**Part 2:  
Condensation (in-cabinet exposure  
with heated water reservoir)**

*Peintures et vernis — Détermination de la résistance à  
l'humidité —*

*Partie 2: Condensation (exposition en enceinte avec réservoir à  
eau chauffée)*

**Third edition  
2025-06**

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

[ISO 6270-2:2025](#)

<https://standards.iteh.ai/catalog/standards/iso/0cf7ea39-871a-4abd-8679-1e1bfbf6e4c5/iso-6270-2-2025>



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2025

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  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

## Contents

	Page
<b>Foreword</b>	<b>iv</b>
<b>Introduction</b>	<b>v</b>
<b>1 Scope</b>	<b>1</b>
<b>2 Normative references</b>	<b>1</b>
<b>3 Terms and definitions</b>	<b>1</b>
<b>4 Designation</b>	<b>1</b>
<b>5 Limitations</b>	<b>2</b>
<b>6 Principle</b>	<b>2</b>
<b>7 Test atmospheres</b>	<b>2</b>
<b>8 Apparatus</b>	<b>3</b>
8.1 Climatic chamber	3
8.2 Installation of the climatic chamber	4
8.3 Device for accommodating the test specimens	5
<b>9 Procedure</b>	<b>5</b>
9.1 Filling the floor trough	5
9.2 Test specimens	5
9.3 Arrangement of the test specimens	5
9.4 Visual verification of condensation formation	5
9.5 Test sequence	6
9.5.1 Start-up	6
9.5.2 Condensation atmosphere with constant humidity (CH)	6
9.5.3 Condensation atmosphere with alternation of humidity and air temperature (AHT)	6
9.5.4 Condensation atmosphere with alternation of air temperature (AT)	6
9.5.5 Intermittent condensation (IC)	6
9.6 Interruptions	7
9.7 End of test	7
<b>10 Evaluation</b>	<b>7</b>
<b>11 Precision</b>	<b>7</b>
<b>12 Test report</b>	<b>7</b>
<b>Annex A (normative) Determination of the comparison quantity of condensation water</b>	<b>9</b>
<b>Bibliography</b>	<b>10</b>