



# FINAL DRAFT International Standard

## ISO/FDIS 6876

### Dentistry — Endodontic sealing materials

*Médecine bucco-dentaire — Matériaux de scellement  
endodontique*

ISO/TC 106/SC 1

Secretariat: **AFNOR**

Voting begins on:  
**2025-07-02**

Voting terminates on:  
**2025-08-27**

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

ISO/FDIS 6876

<https://standards.iteh.ai/catalog/standards/iso/4b7ed510-99c7-4cd3-ac8f-18ead6b413b2/iso-fdis-6876>

**ISO/CEN PARALLEL PROCESSING**

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

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

ISO/FDIS 6876

<https://standards.itih.ai/catalog/standards/iso/4b7ed510-99c7-4cd3-ac8f-18cad6b413b2/iso-fdis-6876>



**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>v</b>
<b>Introduction</b>	<b>vi</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 Classification</b>	<b>2</b>
<b>5 Requirements</b>	<b>2</b>
5.1 General	2
5.2 Appearance	3
5.3 Flow (Type 1 only)	3
5.4 Working time (Type 1 only)	3
5.5 Setting time	3
5.6 Film thickness (Type 1 only)	3
5.7 Solubility and disintegration	3
5.8 Radiopacity	3
<b>6 Sampling</b>	<b>4</b>
<b>7 Test methods</b>	<b>4</b>
7.1 Test conditions	4
7.2 Appearance	4
7.2.1 General	4
7.2.2 Treatment of results	4
7.3 Flow (Type 1 materials)	4
7.3.1 General	4
7.3.2 Apparatus	4
7.3.3 Procedure	5
7.3.4 Treatment of results	6
7.4 Working time	6
7.4.1 General	6
7.4.2 Apparatus	6
7.4.3 Procedure	6
7.4.4 Treatment of results	7
7.5 Setting time	7
7.5.1 General	7
7.5.2 Apparatus	7
7.5.3 Preconditioning of the apparatus	8
7.5.4 Sample preparation	8
7.5.5 Procedure	8
7.6 Film thickness (Type 1 only)	9
7.6.1 Apparatus	9
7.6.2 Procedure	9
7.6.3 Treatment of the results	10
7.7 Solubility and disintegration	10
7.7.1 General	10
7.7.2 Apparatus	10
7.7.3 Sample preparation	10
7.7.4 Procedure	11
7.7.5 Repetition test of solubility and dissolution	12
7.7.6 Treatment of results	13
7.8 Radiopacity	13
7.8.1 General	13
7.8.2 Apparatus	13
7.8.3 Preparation of test specimens	14

## ISO/FDIS 6876:2025(en)

7.8.4	Procedure .....	14
7.8.5	Treatment of results .....	14
<b>8</b>	<b>Marking, packaging and labelling .....</b>	<b>15</b>
8.1	Marking .....	15
8.2	Packaging .....	15
8.3	Labelling .....	15
<b>Annex A (informative) Working time determination test for Type 1 materials .....</b>		<b>17</b>
<b>Bibliography .....</b>		<b>20</b>

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

[ISO/FDIS 6876](https://standards.iteh.ai/catalog/standards/iso/4b7ed510-99c7-4cd3-ac8f-18cad6b413b2/iso-fdis-6876)

<https://standards.iteh.ai/catalog/standards/iso/4b7ed510-99c7-4cd3-ac8f-18cad6b413b2/iso-fdis-6876>