

---

---

## Requirements for seismic assessment and retrofit of concrete structures

*Exigences relatives à l'évaluation sismique et à la réhabilitation des  
structures en béton*

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

[ISO 16711:2021](https://standards.itih.ai/catalog/standards/iso/05548f16-2f7c-4491-884a-931e17be687e/iso-16711-2021)

<https://standards.itih.ai/catalog/standards/iso/05548f16-2f7c-4491-884a-931e17be687e/iso-16711-2021>



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

[ISO 16711:2021](https://standards.iteh.ai/catalog/standards/iso/05548f16-2f7c-4491-884a-931e17be687e/iso-16711-2021)

<https://standards.iteh.ai/catalog/standards/iso/05548f16-2f7c-4491-884a-931e17be687e/iso-16711-2021>



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2021

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 Framework of assessment and retrofit</b> .....	<b>3</b>
<b>5 Preliminary assessment</b> .....	<b>4</b>
5.1 General.....	4
5.2 Investigation items.....	4
5.3 Judgment.....	5
<b>6 Detailed seismic assessment</b> .....	<b>5</b>
6.1 General.....	5
6.2 Detailed investigation.....	6
6.3 Analysis.....	6
6.4 Seismic performance objectives.....	7
6.5 Judgment.....	7
6.6 Documentation.....	7
<b>7 Seismic retrofit plan</b> .....	<b>7</b>
7.1 General.....	7
7.2 Selection of performance objectives of the seismic retrofit.....	8
7.3 Selection of basic strategy for seismic retrofit.....	8
7.4 Planning of retrofit.....	8
7.5 Seismic re-evaluation.....	9
7.6 Confirmation.....	9
7.7 Documentation.....	9
<b>8 Seismic retrofit execution</b> .....	<b>9</b>
8.1 General.....	9
8.2 Detailed inspection for construction.....	9
8.3 Planning of retrofit construction.....	10
8.4 Quality assurance.....	10
8.5 Documentation.....	10
<b>Bibliography</b> .....	<b>11</b>