
**Timber structures — Bond
performance of adhesives —
Part 3:
Use of alternative species for bond tests**

Structures en bois — Performance d'adhérence des adhésifs —

*Partie 3: Usage des essences alternatives pour les essais de joints de
collage*

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2, www.iso.org/directives.

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The committee responsible for this document is ISO/TC 165, *Timber structures*.

ISO 20152 consists of the following parts, under the general title *Timber structures — Bond performance of adhesives*:

- *Part 1: Basic requirements*
- *Part 2: Additional requirements*
- *Part 3: Use of alternative species for bond tests* [Technical Report]

Introduction

This Technical Report was prepared to simplify the assessment of adhesive bonds in countries where the test species described in ISO 20152-1 and ISO 20152-2 may be difficult to obtain. It sets out procedures for selecting substitute species available locally.

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Timber structures — Bond performance of adhesives —

Part 3:

Use of alternative species for bond tests

1 Scope

This Technical Report describes the procedures necessary for the recognition of new wood species by ISO 20152-1 and ISO 20152-2 for the evaluation of structural wood adhesives.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 20152-1:2010, *Timber structures — Bond performance of adhesives — Part 1: Basic requirements*

ISO 20152-2, *Timber structures — Bond performance of adhesives — Part 2: Additional requirements*

3 Test protocols

ISO 20152-1 permits adhesives to be evaluated under what are described as Method A and Method B procedures. ISO 20152-2 does not make this distinction but the alternative species introduced may also be used when applying its procedures.

3.1 Using Method A

The provisions contained in this Technical Report apply only to Method A as defined in ISO 20152-1.

3.2 Using Method B

When using Method B procedures, beech is the only substrate permitted. No provisions are available that permit new species to be introduced into the Method B procedures in ISO 20152-1.

4 Requirements

4.1 Selection of wood species

The proposing body should identify one only of each of the most commonly used softwood and hardwood species used by their local timber industry for adhesively bonded engineered wood products and produce evidence that this is the case. The species will not necessarily be the most difficult to adhesively