



Log in

Register



! From 31 January, we're upgrading the security settings (TLS) of Taylor & Francis Online to keep us safe. If you're using an old browser (e.g. Internet Explorer 10 or earlier) please update now to avoid receiving error messages.

Journal

International Wood Products Journal >

Volume 7, 2016 - Issue 4: International Panel Products Symposium 2015

116 1

Views

0

CrossRef citations

Altmetric

Original Articles

The environmental impact of wood compared to other building materials

C. A. S. Hill  & J. Dibdiakova


Pages 215-219 | Received 08 Mar 2016, Accepted 10 May 2016, Published online: 01 Jun 2016

Pages 215-219 | Received 08 Mar 2016, Accepted 10 May 2016, Published online: 01 Jun 2016

 Download citation

 <https://doi.org/10.1080/20426445.2016.1190166>



 Seleziona lingua | ▼

Translator disclaimer

 Full Article

Showing ✓

 Figures & data >

 References >

 Citations >

 Metrics >

 Reprints & Permissions >



Abstract

One of the positive aspects of using wood in construction is the environmental benefits that this can potentially bring. However, manufacturers of all construction products and materials make claims about the 'environmental friendliness' of their products, making it exceedingly difficult for the end user to make informed choices about the advisability of using one product over another. This study presents an analysis of the published environmental product declarations of timber products (fibreboard, particleboard, oriented strandboard, glulam/laminated veneer lumber, sawn and dried timber) and compares this data with that published in the widely available and quoted University of Bath Inventory of Carbon and Energy database. Comparison is also made with some common non-biogenic building materials (concrete, brick, cement and steel).

Keywords: [Global warming potential](#), [Environmental product declaration](#), [Wood](#), [Building materials](#)

Log in via your institution

> Shibboleth

> OpenAthens

Log in to Taylor & Francis Online

[Forgot password?](#)

Remember Me

Log in

Or purchase it *

Issue Purchase 30 days access for EUR 155,00

 Add to cart

Article Purchase 24 hours access for EUR 42,00

 Add to cart

* Local tax will be added as applicable

People also read

Article

Article

Evaluating mould colonisation and growth on MDF panels modified to sequester volatile organic compounds >

B. K. Stefanowski et al.

International Wood Products Journal
Volume 7, 2016 - Issue 4

Published online: 13 Dec 2016

Investigating plywood behaviour in outdoor conditions >

W. Li et al.

International Wood Products Journal
Volume 7, 2016 - Issue 4

Published online: 13 Dec 2016

Article

Integrating optical measurement and modelling for quantitative analysis of the micromechanical load transfer in the wood-adhesive bond interphase >

M. Schwarzkopf et al.

International Wood Products Journal
Volume 7, 2016 - Issue 4

Published online: 13 Dec 2016



Article

Wood plastic composites made with thermally modified birch wood residues >

E. Kuka et al.

International Wood Products Journal
Volume 7, 2016 - Issue 4

Published online: 13 Dec 2016

Article

Process analysis using multivariate regression models exemplified by WPC processing with a single-screw extruder >

S. Ritter et al.

International Wood Products Journal
Volume 7, 2016 - Issue 4

Published online: 13 Dec 2016

Article

Reducing the thickness swelling of a model wood composite by creating a three-dimensional adhesive network >

W. He et al.

International Wood Products Journal
Volume 7, 2016 - Issue 4

Published online: 13 Dec 2016

Sign in here
to start your access



**Writing a review
article?**

Read our
guide here



Information for

[Authors](#)

[Editors](#)

[Librarians](#)

[Societies](#)

Open access

[Overview](#)

[Open journals](#)

[Open Select](#)

[Cogent OA](#)

Help and info

[Help](#)

[FAQs](#)

[Press releases](#)

[Contact us](#)

[Commercial services](#)

Connect with Taylor & Francis



Copyright © 2017 Informa UK Limited

[Privacy policy & cookies](#)

[Terms & conditions](#)

[Accessibility](#)

Registered in England & Wales No. 3099067

5 Howick Place | London | SW1P 1WG



Taylor & Francis Group
an **informa** business