



HIGH PERFORMANCE WOOD COMPOSITES

CTBA
Centre Technique du Bois et de l'Ameublement
Bordeaux Office
BP 227
33028 Bordeaux Cedex

PÔLE CONSTRUCTION

Biology Laboratory
ENTOMOLOGY

Translation

Test Report No. PC/66/138/02Z/a/1

Date: 24 February 2003

Client: Silvadec
Mrs Jezequel and Mr Crez
2 rue des Charmes
44190 Clisson
Cedex France

**Verification of the Product's Resistance to
Termites *Reticulitermes Santonensis***

This document consists of 3 pages of Test reports
Only complete reproduction of the report is permitted

Silvadec
Bordeaux 24.February 2003
Test report No. PC/66/138/02Z/a/1

Verification of the Product's resistance to Termites
Reticulitermes Santonensis

- Test Method	Derived from NF EN 118 (June 1990)
- Laboratory in charge of testing	CTBA - Entomology
- Commercial designation of sample material	Strandex
- Nature of sample material	Wood composite material
- Presentation of the sample material	Plank for boarding or flooring
- Batch number of sample material	None
- Sample supplied by	Silvadec
- Date CTBA received the sample	24 July 2002
- Chemical analysis	None
- Composition of active material	No active material

Test details and relative dates

- Type of Termite	<i>Reticulitermes Santonensis</i>
- Type of wood used (Control)	Sap-wood of Norwegian Pine
- Validity of test	Conforms to the Norm
- Protocol used	According to commercial proposal PC/66/138/02Z of 4 June 2002
- Samples tested	3 types of material (described below) and one control
	<ul style="list-style-type: none">➤ 3 control test- tubes of virulence – untreated➤ 6 test-tubes of material – untreated➤ 6 test-tubes of material according to the RDA wearing test (Accelerated Weathering Coils)➤ 6 test-tubes of material in accordance with EN 231 weathering test (determination of swelling)
- Length of RDA test (weathering)	2 x 3 weeks with 1 week of stabilisation in between
- Length of EN 321 test)	6 weeks
- Date started	18 December 2002
- Date of control	12 February 2003

David Ansard
Technician for Termite Tests
Entomology Laboratory

Ivan Paulmier
Technical Manager
Entomology Laboratory

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TEST RESULTS

	Reference	% of surviving Workers	Soldiers (S) and Nymphs (N)	Degree of attack in test-tube following EN 118
Control Test Tubes	1	75.2	S-N	4
	2	82.4	S-N	4
	3	70,0	S-N	4
Test Tubes Untreated	1	0	-	1
	2	0	-	0
	3	0	-	0
	4	0	-	0
	5	0	-	1
	6	0	-	0
Test Tubes after RDA (weathering)	1	4.8	N	1
	2	2.8	N	1
	3	0	N	0
	4	0	-	1
	5	0	-	1
	6	0	-	0
Test Tubes after EN 321	1	0.4	N	1
	2	0	-	1
	3	4.0	N	1
	4	2.4	N	1
	5	2.0	N	1
	6	0	-	1

The interpretation of this test report and the practical conclusions that can be made requires a thorough knowledge of wood preservation issues and for this reason this report does not constitute in itself a certificate of endorsement.



CTBA
BP 227
33028 Bordeaux Cedex

Silvadec
2 rue des Charmes
44 190 Clisson

Bordeaux 17 March 2003

Dear Mr Crez,

According to the classification given by the European Norm NF EN 350-1, only wood submitted for testing in accordance with NF EN 118 which has a reference of 0 or 1 is considered as durable (hard).

By extrapolating this interpretation to composite wood, we can consider that the Strandex sample is termite resistant, as the termites die during our tests because they are unable to feed themselves.

Yours sincerely,

Ivan Paulmier
Technical Manager
Biology Laboratory