

**TEST REPORT**

**311838 / 1**

Revision: 0  
Date of receipt: 08/06/21  
Date of test: 24/06/21  
Date of issue: 20/07/21

VINAVIL S.P.A.  
VIA VALTELLINA 63  
20159 MILANO (MI)  
ITALIA

Sample name: VINAVIL PRO D3 PLUS

**Tensile shear strength EN 205:2016**

**Type of adhesive declared:** Vinyl monocomponent

**Preparation of support panels.**

Wood specie: Beech (Fagus Sylvatica)  
Moisture content of wood: 10±2 %  
Conditioning: (23±2°C and 50±5% r.h.)  
Surface treatment before gluing: Sanding with abrasing paper grit size 100

**Preparation of adhesive.**

Component A: 100  
Component B: /  
Mixing: Manual

**Gluing conditions.**

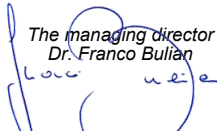
Gluing temperature: 23 ± 2 °C  
Coverage: 150 ±10 g/m<sup>2</sup>  
Application of glue: To both surfaces  
Open assembly time: 60 ±10 s (max)  
Closed assembly time: 180 ±10 s (max)  
Pressure: Between 0,7 and 0,9 N/mm<sup>2</sup>  
Pressure time: 120 min

**Specimens.**

Pressure date: 24/06/2021  
Cutting date: 30/06/2021  
Number: 60  
Gluing area: 200 mm<sup>2</sup>  
Adhesive layer: Thin

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*The managing director  
Dr. Franco Bulian*



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TEST REPORT

311838 / 1 rev. 0

Date of issue:

20/07/21

Sample name:

VINAVIL PRO D3 PLUS

Testing apparatus: Instron dynamometer mod. 5566

Testing speed: 50 mm/min

Conditioning sequence :

1

Type and duration:

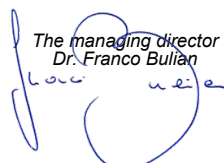
7 days in standard atmosphere (23±2°C and 50±5% r.h.)

Test results:

Specimen n°	Load at break N	Wood failure %	Tensile strength N/mm <sup>2</sup>
1	2.482	100	12,4
2	2.491	100	12,5
3	2.413	100	12,1
4	2.601	100	13,0
5	2.767	100	13,8
6	2.375	100	11,9
7	2.782	85	13,9
8	2.415	100	12,1
9	2.492	100	12,5
10	2.528	100	12,6
11	2.235	100	11,2
12	2.210	100	11,1
13	2.804	100	14,0
14	2.488	100	12,4
15	2.174	100	10,9
16	2.634	100	13,2
17	2.512	100	12,6
18	2.608	100	13,0
19	2.483	100	12,4
20	2.610	100	13,1
	Minimum value:	85	10,9
	Maximum value:	100	14,0
	<b>Mean value:</b>	<b>99</b>	<b>12,5</b>
	Standard deviation:	3	0,9
	CV:	3 %	7,2 %

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TEST REPORT

311838 / 1 rev. 0

Date of issue:

20/07/21

Sample name:

VINAVIL PRO D3 PLUS

Testing apparatus: Instron dynamometer mod. 5566

Testing speed: 50 mm/min

Conditioning sequence:

3

Type and duration:

7 days in standard atmosphere (23±2°C and 50±5% r.h.)

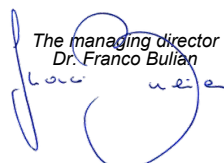
4 days in cold water (23 °C)

Test results

Specimen n°	Load at break N	Wood failure %	Tensile strength N/mm <sup>2</sup>
1	369	0	1,8
2	467	0	2,3
3	483	0	2,4
4	392	0	2,0
5	443	0	2,2
6	433	0	2,2
7	441	0	2,2
8	471	0	2,4
9	461	0	2,3
10	436	0	2,2
11	430	0	2,2
12	415	0	2,1
13	410	0	2,1
14	448	0	2,2
15	406	0	2,0
16	365	0	1,8
17	395	0	2,0
18	450	0	2,3
19	367	0	1,8
20	339	0	1,7
	Minimum value:	0	1,7
	Maximum value:	0	2,4
	<b>Mean value:</b>	<b>0</b>	<b>2,1</b>
	Standard deviation:	0	0,2
	CV:	/	9,5 %

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The managing director  
Dr. Franco Bulian



TEST REPORT **311838 / 1 rev. 0**  
 Date of issue: 20/07/21  
 Sample name: VINAVIL PRO D3 PLUS

Testing apparatus: Instron dynamometer mod. 5566  
 Testing speed: 50 mm/min

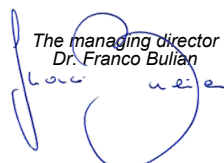
**Conditioning sequence:** 4  
 Type and duration: 7 days in normal atmosphere (23±2°C and 50±5% r.h.)  
 4 days in cold water (23°C)  
 7 days in normal atmosphere (23±2°C and 50±5% r.h.)

**Test results:**

Specimen n°	Load at break N	Wood failure %	Tensile strength N/mm <sup>2</sup>
1	2.556	100	12,8
2	2.601	100	13,0
3	2.752	100	13,8
4	2.654	100	13,3
5	3.063	10	15,3
6	2.696	100	13,5
7	2.486	100	12,4
8	2.967	100	14,8
9	2.709	100	13,5
10	2.592	100	13,0
11	2.454	100	12,3
12	2.658	100	13,3
13	2.768	100	13,8
14	2.929	100	14,6
15	2.415	100	12,1
16	2.591	100	13,0
17	2.990	100	15,0
18	2.968	100	14,8
19	2.775	100	13,9
20	2.748	100	13,7
	Minimum value:	10	12,1
	Maximum value:	100	15,3
	<b>Mean value:</b>	<b>96</b>	<b>13,6</b>
	Standard deviation:	20	0,9
	CV:	21 %	6,6 %

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The managing director  
 Dr. Franco Bulian



TEST REPORT

**311838 / 1 rev. 0**

Date of issue:

20/07/21

Sample name:

VINAVIL PRO D3 PLUS

**CLASSIFICATION OF NON-STRUCTURAL ADHESIVES FOR JOINING**  
(part not subject to accreditation)

Conditionings sequence	Sample mean value N/mm <sup>2</sup>	Minimum value required N/mm <sup>2</sup>
1	12,5	10
3	2,1	2
4	13,6	8

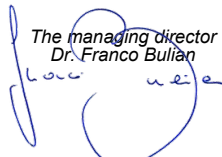
Durability class D3:	<b>Pass</b>
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Note:

- Mean values obtained are compared with the requirements provided by the standard to define the class.

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The managing director  
Dr. Franco Bulian



TEST REPORT

314888 / 1

Revision: 1  
Date of receipt: 30/07/21  
Date of test: 11/08/21  
Date of issue: 24/08/21

VINAVIL S.P.A.  
VIA VALTELLINA 63  
20159 MILANO (MI)  
ITALIA

Sample name: VINAVIL PRO D3 PLUS

**Polymer dispersions - Determination of free formaldehyde ISO 15373:2001**


Sample type: vinyl polymer dispersion  
Method: A

	Free Formaldehyde mg/Kg
Result	< 10

The test has been carried out in duplicate

This document replaces the previous one with revision number 0 and with date of issue 11/08/21. Applied changes: reporting of data (changes are underlined) on customer request.

*This test report is part of a PDF file digitally signed by Daniele Bergamasco on 24/08/21.*

The deputy director  
Dr. Daniele Bergamasco  


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