

Date received: 28/11/16

Date of issue: 10/01/17

Report consists of 8 test reports.

Defects before testing: None

Sample name: Integra click

FORMENTI & GIOVENZANA S.P.A.  
VIA PIAVE 55-C.P. 58  
20837 VEDUGGIO CON COLZANO (MB)  
ITALIA

## SAMPLE N° 224514

### List performed tests:

1. Vertical static overload test EN 15570/2008, clause 6.2.1
2. Horizontal static overload test EN 15570/2008, clause 6.2.2
3. 1st Vertical static load test EN 15570/2008, clause 6.3.3
4. 1st Horizontal static load test EN 15570/2008, clause 6.3.4
5. Slam shut open test EN 15570/2008, clause 6.3.5
6. Durability test EN 15570/2008, clause 6.3.7
7. 2nd Vertical static load test EN 15570/2008, clause 6.3.9
8. 2nd Horizontal static load test EN 15570/2008, clause 6.3.10



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Managing Director  
Dr. Andrea Giavon

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## TEST REPORT

**224514 / 1**

Date received: 28/11/16  
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VIA PIAVE 55-C.P. 58  
20837 VEDUGGIO CON COLZANO (MB)  
ITALIA

### Vertical static overload test EN 15570/2008, clause 6.2.1

Hinges pivoting on a vertical axis. Vertical static overload test EN 15570/2008, clause 6.2.1

Type of hinge: with damper mechanism  
Cup diameter: 35 mm  
Opening angle: 105°  
Declared surface treatment: nickel  
Type of door used for the test: B  
Test door dimensions: 600 x 19 x 700 (height) mm  
Number of hinges used for the test: 2 (first set of hinges)

#### Test results

Test level	Vertical load kg	Number of cycles	Remarks
3	30	10	none

Notes: hinges and plates have been mounted on the particleboard by means of bolts.

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Managing Director  
Dr. Andrea Glevor

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pag. 1/1

## TEST REPORT

**224514 / 2**

Date received: 28/11/16  
Date of test: 02/12/16  
Date of issue: 10/01/17  
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ITALIA

### Horizontal static overload test EN 15570/2008, clause 6.2.2

Hinges pivoting on a vertical axis. Horizontal static overload test EN 15570/2008, clause 6.2.2

Type of hinge: with damper mechanism  
Cup diameter: 35 mm  
Opening angle: 105°  
Declared surface treatment: nickel  
Type of door used for the test: B  
Test door dimensions: 600 x 19 x 700 (height) mm  
Number of hinges used for the test: 2 (first set of hinges)

#### Test results

Test level	Horizontal force N	Number of cycles	Remarks
3	80	10	none

Notes: hinges and plates have been mounted on the particleboard by means of bolts.

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Managing Director  
Dr. Andrea Glavon

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pag. 1/1

## TEST REPORT

**224514 / 3**

Date received: 28/11/16  
Date of test: 02/12/16  
Date of issue: 10/01/17  
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VIA PIAVE 55-C.P. 58  
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ITALIA

### 1st Vertical static load test EN 15570/2008, clause 6.3.3

Hinges pivoting on a vertical axis. 1st Vertical static load test EN 15570/2008, clause 6.3.3

Type of hinge: with damper mechanism  
Cup diameter: 35 mm  
Opening angle: 105°  
Declared surface treatment: nickel  
Type of door used for the test: B  
Test door dimensions: 600 x 19 x 700 (height) mm  
Number of hinges used for the test: 2 (second set of hinges)

#### Test results

Test level	Vertical load kg	Number of cycles	Remarks
3	20	10	none

Notes: hinges and plates have been mounted on the particleboard by means of bolts.

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*[Signature]*  
Managing-Director  
Dr Andrea Giavon

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pag. 1/1

## TEST REPORT

**224514 / 4**

Date received: 28/11/16  
Date of test: 02/12/16  
Date of issue: 10/01/17  
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FORMENTI & GIOVENZANA S.P.A.  
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### 1st Horizontal static load test EN 15570/2008, clause 6.3.4

Hinges pivoting on a vertical axis. 1st Horizontal static load test EN 15570/2008, clause 6.3.4

Type of hinge: with damper mechanism  
 Cup diameter: 35 mm  
 Opening angle: 105°  
 Declared surface treatment: nickel  
 Type of door used for the test: B  
 Test door dimensions: 600 x 19 x 700 (height) mm  
 Number of hinges used for the test: 2 (second set of hinges)

#### Test results

Test level	Horizontal force N	Number of cycles	Remarks
3	40	10	none

Notes: hinges and plates have been mounted on the particleboard by means of bolts.

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Managing-Director  
Dr. Andrea Glavon

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pag. 1/1

## TEST REPORT

**224514 / 5**

Date received: 28/11/16  
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Date of issue: 10/01/17  
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FORMENTI & GIOVENZANA S.P.A.  
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### Slam shut open test EN 15570/2008, clause 6.3.5

Hinges pivoting on a vertical axis. Slam shut open test EN 15570/2008, clause 6.3.5

Type of hinge: with damper mechanism  
Cup diameter: 35 mm  
Opening angle: 105°  
Declared surface treatment: nickel  
Type of door used for the test: B  
Test door dimensions: 600 x 19 x 700 (height) mm  
Number of hinges used for the test: 2 (second set of hinges)

Test results:

Test level	Needed mass to keep the door movement (m1) kg	Test mass (m2) kg	Number of cycles	Remarks
3	0,4	4	10	none

Additional slam closed doors with dampers

Test level	Needed mass to keep the door movement (m1) kg	Test mass (m3) kg	Number of cycles	Remarks
3	0,4	1	100	none

Notes: hinges and plates have been mounted on the particleboard by means of bolts.

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Managing Director  
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pag. 1/1

## TEST REPORT

**224514 / 6**

Date received: 28/11/16  
Date of test: 02/12/16  
Date of issue: 10/01/17  
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FORMENTI & GIOVENZANA S.P.A.  
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ITALIA

### Durability test EN 15570/2008, clause 6.3.7

Hinges pivoting on a vertical axis. Durability test EN 15570/2008, clause 6.3.7

Type of hinge: C  
Cup diameter: 35 mm  
Opening angle: 105°  
Declared surface treatment: nickel  
Type of door used for the test: B  
Test door dimensions: 600 x 19 x 700 (height) mm  
Number of hinges used for the test: 2 (second set of hinges)  
Width door (W): 600 mm  
Maximum allowable door deflection: 3 mm 5% di (W)

Test results:

Test level	Number of cycles	Load on door kg	Closing mechanism force		Opening force		Closing force		Door deflection mm
			initial (min. 0,5 N)	final (min. 0,5 N)	initial (max. 20 N)	final (max. 20 N)	initial (max. 20 N)	final (max. 20 N)	
3	80.000	2	1,1	0,8	4,0	4,3	1,0	1,5	2

Remarks: none

Notes: hinges and plates have been mounted on the particleboard by means of bolts.

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Managing Director  
Dr. Andrea Giavon

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pag. 1/1

## TEST REPORT

**224514 / 7**

Date received: 28/11/16  
Date of test: 02/01/17  
Date of issue: 10/01/17  
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ITALIA

### 2nd Vertical static load test EN 15570/2008, clause 6.3.9

Hinges pivoting on a vertical axis. 2nd Vertical static load test EN 15570/2008, clause 6.3.9

Type of hinge: with damper mechanism  
Cup diameter: 35 mm  
Opening angle: 105°  
Declared surface treatment: Ni/Cu/Fe  
Type of door used for the test: B  
Test door dimensions: 600 x 19 x 700 (height) mm  
Number of hinges used for the test: 2 (second set of hinges)

#### Test results

Test level	Vertical load kg	Number of cycles	Remarks
3	20	10	none

Notes: hinges and plates have been mounted on the particleboard by means of bolts.

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pag. 1/1

## TEST REPORT

**224514 / 8**

Date received: 28/11/16  
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### 2nd Horizontal static load test EN 15570/2008, clause 6.3.10

Hinges pivoting on a vertical axis. 2nd Horizontal static load test EN 15570/2008, clause 6.3.10

Type of hinge: with damper mechanism  
Cup diameter: 35 mm  
Opening angle: 105°  
Declared surface treatment: Ni/Cu/Fe  
Type of door used for the test: B  
Test door dimensions: 600 x 19 x 700 (height) mm  
Number of hinges used for the test: 2 (second set of hinges)

#### Test results

Test level	Horizontal force N	Number of cycles	Remarks
3	40	10	none

Notes: hinges and plates have been mounted on the particleboard by means of bolts.

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Dr. Andrea Giaconi

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pag. 1/1