



centro ricerche-sviluppo e laboratori prove
settori legno-arredo, ambiente e alimenti

CATAS S.p.A.
Iscr. Reg. Imprese Udine
nr. iscr. C.F. 01818850305
Reg. Impr. UD 20663
P. IVA : 01818850305
C.Soc. € 1.003.650,00 i.v.

Sede: Via Antica, 24/3
33048 S. Giovanni al Nat. UD.
Tel. 0432.747211 r.a.
Fax 0432.747250
<http://www.catas.com>
e-mail: lab@catas.com

Filiale:
Via Braille, 5
20851 Lissone MB
Tel. 039.464567
Fax 039.464565
e-mail: lissone@catas.com

TEST REPORT

162470 / 1

Date received: 15-07-13

Date of test: 24-07-13

Date of issue: 24-07-13

Sample name: COMPACT LAMINATES

CROWN LAMINATES PVT. LTD.
6, PATEL AVENUE, 1ST FLOOR,
NR.GURUDWARA
380059 AHMEDABAD
IN - INDIA

Reaction to fire

Tests ordered

- 1) "Combustible products which can be hit by flame on one surface - Reaction to fire by applying a small flame" (UNI 8457:2010).
- 2) "Reaction to fire of products which can be hit by flame with radiant heating" (UNI 9174:2010).

Description and end use of sample as declared by the client

Description: laminate composed of kraft paper, decorative paper, treated with phenolic and melamine resins.

Thickness 8 mm.

End use: furniture and wall partitions.

Deviations from the standard as requested by the client

None.

Preliminaries

Sampling procedure and cutting direction of the specimens: performed by the client.

Material preparation (UNI 9176:2010 "Preparation of materials for verification of reaction to fire requirements"): method D.

Conditioning: drying procedure for a minimum of 24 hours in a oven with forced air circulation at 40 ± 5 °C following a minimum of 48 hours at 23 ± 2 °C and 50 ± 5 % relative humidity.

Test results

Based on standard UNI 9177:2008 "Reaction to fire classification of combustible products", the sample examined complies with class 1 (ONE).

This test report is not issued according to articles 8 and 10 of D.M. 26-06-1984 amended by D.M. 03-09-2001.

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Managing Director
Dr. Andrea Giavon

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TEST REPORT

162470 / 2

Date received: 15-07-13

Date of test: 24-07-13

Date of issue: 24-07-13

Sample name: COMPACT LAMINATES

CROWN LAMINATES PVT. LTD.
6, PATEL AVENUE, 1ST FLOOR,
NR.GURUDWARA
380059 AHMEDABAD
IN - INDIA

Small flame on one surface UNI 8457:2010

Specimen preparation: without backing board

Contact time of pilot flame: 30 s

Test results:

| Specimen n° | Afterflame time | | | | Afterglow time | | | | Damaged length | | | | Dripping | | | | Cotton thread breakage | |
|----------------------|--------------------|------|------------|------|-------------------|------|------------|------|----------------|------|------------|------|------------|------|------------|------|---------------------------|----------|
| | 1th series | | 2nd series | | 1th series | | 2nd series | | 1th series | | 2nd series | | 1th series | | 2nd series | | 1th ser. | 2nd ser. |
| | s | lev. | s | lev. | s | lev. | s | lev. | mm | lev. | mm | lev. | Obser. | lev. | Obser. | lev. | Obser. | Obser. |
| 1 | 0 | 1 | | | 0 | 1 | | | 30 | 1 | | | absent | 1 | | | no | |
| 2 | 0 | 1 | | | 0 | 1 | | | 30 | 1 | | | absent | 1 | | | no | |
| 3 | 0 | 1 | | | 0 | 1 | | | 30 | 1 | | | absent | 1 | | | no | |
| 4 | 0 | 1 | | | 0 | 1 | | | 30 | 1 | | | absent | 1 | | | no | |
| 5 | 0 | 1 | | | 0 | 1 | | | 30 | 1 | | | absent | 1 | | | no | |
| 6 | 0 | 1 | | | 0 | 1 | | | 30 | 1 | | | absent | 1 | | | no | |
| 7 | 0 | 1 | | | 0 | 1 | | | 30 | 1 | | | absent | 1 | | | no | |
| 8 | 0 | 1 | | | 0 | 1 | | | 30 | 1 | | | absent | 1 | | | no | |
| 9 | 0 | 1 | | | 0 | 1 | | | 30 | 1 | | | absent | 1 | | | no | |
| 10 | 0 | 1 | | | 0 | 1 | | | 30 | 1 | | | absent | 1 | | | no | |
| Level | 1 | | | | 1 | | | | 1 | | | | 1 | | | | | |
| Multiplic. factor | 2 | | | | 1 | | | | 2 | | | | 1 | | | | | |
| Partial total | 2 | | | | 1 | | | | 2 | | | | 1 | | | | | |

Observations and/or special phenomena: /

Specimens n° 1 - 2 - 3 - 4 and 5 have been obtained along the longitudinal direction.

Specimens n° 6 - 7 - 8 - 9 and 10 have been obtained along the transversal direction.

TOTAL

6

RATING

I

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TEST REPORT

162470 / 3

Date received: 15-07-13

Date of test: 23-07-13

Date of issue: 24-07-13

Sample name: COMPACT LAMINATES

CROWN LAMINATES PVT. LTD.
6, PATEL AVENUE, 1ST FLOOR,
NR.GURUDWARA
380059 AHMEDABAD
IN - INDIA

Radiant panel UNI 9174:2010

Test results:

Specimen setting: wall
without backing board

Time in seconds of arrival at each given position of the flame front
along the exposed surface

| Specimen n° | | 1th series | | | 2nd series | | | L | M | P |
|--|-----|------------------------|--------|--------|-----------------------|--------|--------|--------|---|---|
| | | longitudinal direction | | | transversal direction | | | | | |
| | | 1 | 2 | 3 | 1 | 2 | 3 | | | |
| Distance of marked lines from the nearest position to the radiant panel, in mm | 100 | 178 | 193 | 187 | 157 | 159 | 146 | E | U | A |
| | 150 | 276 | 283 | 264 | 247 | 240 | 232 | | | |
| | 200 | 399 | 408 | 374 | 365 | 346 | 358 | | | |
| | 250 | | | 546 | 534 | 512 | 460 | | | |
| | 300 | | | | | | | | | |
| | 350 | | | | | | | | | |
| | 400 | | | | | | | | | |
| | 450 | | | | | | | | | |
| | 500 | | | | | | | | | |
| | 550 | | | | | | | | | |
| | 600 | | | | | | | | | |
| | 650 | | | | | | | | | |
| | 700 | | | | | | | | | |
| | 750 | | | | | | | | | |
| | 800 | | | | | | | | | |
| Average flame spread rate, mm/min | | 27,5 | 28,7 | 27,9 | 25,5 | 27,8 | 29,4 | 2 | 2 | 4 |
| Level | | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| Damaged length, mm | | 200 | 200 | 250 | 250 | 250 | 250 | 1 | 2 | 2 |
| Level | | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Afterglow time, s | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| Level | | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Dripping with glowing/lighted parts | | absent | absent | absent | absent | absent | absent | 1 | 1 | 1 |
| Level | | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Observations: / | | | | | | | | TOTAL | | 8 |
| | | | | | | | | RATING | | I |

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