

TEST REPORT

No. : GZIN1906033288CM

Date : Jul 15, 2019

Page: 1 of 5



CUSTOMER NAME: ARMSTRONG FLOORING PTY LTD.
ADDRESS: 29-39 MILLS ROAD, BRAESIDE, VICTORIA 3195, AUSTRALIA

Sample Name : TIMBERLINE-TRANSLATIONS
Product Specification : EN ISO 10582, ISO 9239-1 & AS/NZS 3837
Manufacturer : Sourced by Armstrong Flooring Pty Ltd.
Material and Mark : Resilient PVC Flooring

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

Date of Receipt : Jun 28, 2019
Testing Start Date : Jun 28, 2019
Testing End Date : Jul 15, 2019
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services Co., Ltd. GZ Branch Testing
Center

Tobby Yang
Authorized signatory



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Testing Center (Economic & Technical Development District)

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No. : GZIN1906033288CM

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Page: 2 of 5

I. Test conducted

This test was conducted as per ISO 9239-1:2010 Reaction to fire tests for floorings —Part 1: Determination of the burning behaviour using a radiant heat source.

II. Sample details

| | |
|--------------------|--------------------------------|
| Sample description | Floor sample |
| Color | Wood grain |
| Thickness | 1.8mm |
| Density | About 1491.0 kg/m ³ |
| Specimen size | 1050mm×205mm×1.8mm |

Conditioning:

Prior to testing, the sample was conditioned to constant mass at temperatures of 23±2°C and at a relative humidity of 50±5% for at least 48 h, until constant mass is achieved.

Mounting of Test Assembly:

Calcium silicate board, with its density approximate 900kg/m³, thickness approximate 9mm, is as the substrate. The test specimens are fixed mechanically to the substrate. No joint in the specimens.



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TEST REPORT

No. : GZIN1906033288CM

Date : Jul 15, 2019

Page: 3 of 5

III. Test results

| Distance (mm) | S1 | S2 | S3 |
|--|--------------|--------------|--------------|
| | Time (min:s) | Time (min:s) | Time (min:s) |
| 50 | 3:10 | 3:01 | 3:17 |
| 100 | 4:13 | 4:07 | 4:26 |
| 150 | 6:27 | 5:58 | 6:15 |
| 200 | -- | -- | -- |
| 250 | -- | -- | -- |
| 300 | -- | -- | -- |
| 350 | -- | -- | -- |
| 400 | -- | -- | -- |
| 450 | -- | -- | -- |
| 500 | -- | -- | -- |
| 550 | -- | -- | -- |
| 600 | -- | -- | -- |
| 650 | -- | -- | -- |
| 700 | -- | -- | -- |
| 750 | -- | -- | -- |
| 800 | -- | -- | -- |
| 850 | -- | -- | -- |
| 900 | -- | -- | -- |
| 950 | -- | -- | -- |
| 1000 | -- | -- | -- |
| Extinguishing time | 12:00 | 12:00 | 12:00 |
| the final maximum flame spread distance (mm) | 160 | 170 | 160 |



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TEST REPORT

No. : GZIN1906033288CM

Date : Jul 15, 2019

Page: 4 of 5

| | S1 | S2 | S3 | Average |
|---|------|------|------|---------|
| Flame front distance at 10 min (mm) | 160 | 170 | 160 | 163.3 |
| Flame front distance at 20 min (mm) | -- | -- | -- | -- |
| Flame front distance at 30 min (mm) | -- | -- | -- | -- |
| Heat Flux at 10 minutes, HF-10 (kW/m ²) | 10.4 | 10.2 | 10.4 | 10.3 |
| Heat Flux at 20 minutes, HF-20 (kW/m ²) | -- | -- | -- | -- |
| Heat Flux at 30 minutes, HF-30 (kW/m ²) | -- | -- | -- | -- |
| the integral of the smoke (%×min) | 561 | 587 | 523 | 557 |
| Max. light attenuation (%) | 53 | 56 | 47 | 52 |

Conclusion:

| | S1 | S2 | S3 | Average |
|--------------------------|------|------|------|---------|
| CHF (kW/m ²) | 10.4 | 10.2 | 10.4 | 10.3 |



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Page: 5 of 5

Photo Appendix:



SGS authenticate the photo on original report only

Note: The above test was carried out by SGS-CSTC Standards Technical Services Co., Ltd. Anji Branch

***** End of report*****



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