

Report of Brandschacht tests according to DIN 4102-1

| | | |
|-----------------|--|-----------------------------------|
| Test-Nr. | 01.52.5219.10 | Date: 14 th April 2010 |
| Applicant | H. Brunner GmbH, Am Risisee 13, D – 77855 Achern | |
| Material tested | Aluminium 3mm, one Side coated, white | |
| Material name | Image Perfect™2526 | |

Material data

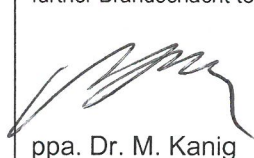
| | | | |
|-------------------------|-------------------|-------------------------|-----|
| Test thickness | mm | Climatised storage | yes |
| weight per square meter | g/m ² | Preliminary end of test | no |
| density | kg/m ³ | | |

Remarks:

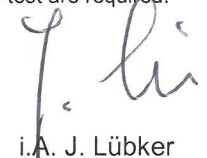
| Sample | Unit | A | B | C | D |
|--|------------|-------|----|---|---|
| First flaming*) | min, sec | 2:30 | | | |
| Max. flame height | cm | 70 | | | |
| Point of time *) | min, sec | 3:00 | | | |
| First melting *) | min, sec | - | | | |
| Flames on reverse side of test unit *) | min, sec | - | | | |
| Influence on burner flame *) | min, sec | - | | | |
| Components drip down *) | min, sec | - | | | |
| Extent | | - | | | |
| Continuation of burning on the perforated bottom **) | min, sec | - | | | |
| Max. effluent temperature | °C | 112 | | | |
| Appeared after *) | min, sec | 10:00 | | | |
| Effluent temperature after 10 min. | °C | 112 | | | |
| Smoke density | | low | | | |
| Afterglowing **) | min, sec | - | | | |
| Residual lengths | Specimen 1 | cm | 53 | | |
| | Specimen 2 | cm | 53 | | |
| | Specimen 3 | cm | 53 | | |
| | Specimen 4 | cm | 53 | | |
| Mean value of each single test | cm | 53 | | | |

Remarks: 2:45 start of melting, 6:50 end of flame appearance

This test is an exploratory analysis and not a confirmation of building material class according to DIN 4102-1. The material has passed the Brandschacht test to DIN 4102-B1 in the above mentioned test arrangement. According to the application further Brandschacht tests and a B 2-test are required.



ppa. Dr. M. Kanig



i.A. J. Lübker

*) Time referred to the beginning of the test
 **) Time period

| | Requirements | | |
|--|---|----------|----------------|
| | A 1 | A 2 | B 1 |
| Brandschacht | | | |
| - Residual length | | | |
| a) Mean value of each test | ≥ 35 cm | ≥ 35 cm | ≥ 15 cm |
| b) each single value | > 20 cm | > 20 cm | > 0 cm |
| - Rauchgastemperatur | ≤ 125 °C | ≤ 125 °C | ≤ 200 °C |
| - Entflammung auf der Probenrückseite | nein | nein | zulässig |
| - Brandparallelscheinungen weitere Nachweise | kein Anlass zu Bedenken | | |
| | 750°C Ofen, Rauchdichte, Toxizität, ggf. Heizwert | | B2-Brennkasten |

