



2006000586R



检测
CNAS L0690



TEST REPORT

正本

No: 200990074

Entrusted by: Lion Chemtech Co., Ltd.

Sample Name: A-103 Natural White

Test Type: Entrust test



National Research Center of Testing Techniques for Building Materials

National Research Center of Testing Techniques for Building Materials

Test Report



正本

Report No:200990074

Page 1 of 2

| | | | |
|----------------------|--|--------------------|---|
| Sample name | A-103 Natural White | Test type | Entrust test |
| Client | Lion Chemtech Co., Ltd. | Brand | TRISTONE 100% Acrylic Solid Surface |
| Manufacturer | Lion Chemtech Co., Ltd. | Batch No. | 1MA0024 |
| Date of product | Jan. 24. 2009 | Date of reception | Mar. 4. 2009 |
| Model / Size | 12.3mmT×760mmW×3680 mmL | Quantity of Sample | 69pcs |
| Test standard/method | JC 908—2002 “solid surface materials” | | |
| Test items | Property test (see page 2) | | |
| Test conclusion | <p>According to JC 908—2002 “solid surface materials”, the test items are satisfied with PMMA; details at page 2.</p> <p style="text-align: right;">Date of issued: Mar. 30, 2009 Seal</p> | | |
| Remarks: | | | |

建材
测试



Approved by:

Verified by:

Tested by:

National Research Center of Testing Techniques for Building Materials

Test Report

正本

Report No.: 200990074

Page 2 of 2

| No. | Test items | Standard index | Test results | Individual conclusion |
|--|--|---|---|-----------------------|
| 1. | Barcol hardness | ≥ 58 (for PMMA) | 64 | Pass |
| 2. | Load test | No crevice, max deviations ≤ 0.25 mm after unloading | No crevice, 0.13mm deviations after unloading | Pass |
| 3. | Point impact | No crevice after 255g steel ball shall be dropped from a height of 610mm | No crevice after 255g steel ball dropped from a height of 610mm | Pass |
| 4. | Flexural strength | ≥ 40 MPa | 60.8MPa | Pass |
| 5. | Flexural modulus | ≥ 6500 MPa | 7.76×10^3 MPa | Pass |
| 6. | Colorfastness | $\Delta E \leq 2$ No peeling, crazing, blistering | $\Delta E = 1.7$ No peeling, crazing, blistering | Pass |
| 7. | Stain resistance | Total stain index ≤ 64 , the depth of stain ≤ 0.12 mm) | Total stain index is 62, the depth of stain is 0.04mm | Pass |
| 8. | Resistance again the burn from a cigarette | Any resulting damage shall not impair the serviceability of the unit or shall be restorable, using abrasive and polishing compound to approximate the original finish | No burning, resulting damage not impairing the serviceability of the unit | Pass |
| 9. | Oxygen index | ≥ 35 | 42 | Pass |
| 10. | Chemical resistance | Any resulting damage shall not impair the serviceability of the unit or shall be restorable, using abrasive and polishing compound to approximate the original finish | No obvious damage in surface | Pass |
| 11. | High temp. resistance | There shall be no cracking, crazing, or blistering and the average color difference, after abrasive and polishing, shall be no more than 2CIE | No cracking, crazing, blistering | Pass |
| 12. | Water resistance | No cracking, crazing, blistering, light color change can be restored by polishing to no more than 2CIE units when compared to the control specimen | No cracking, crazing, blistering | Pass |
| 13. | Water absorption | ———— | 0.05% | —— |
| 14. | Linear thermal expansion | ———— | $3.7 \times 10^{-5} \text{ } ^\circ\text{C}^{-1}$ | —— |
| Remarks: Water absorption test in accordance with GB/T1462-2005 Linear thermal expansion test in accordance with GB/T2572-2005 | | | | |

Verified by:

Tested by:

DECLARATION:

1. This report is invalid without the seal of the center as “国家建筑材料测试中心 测试检验章”.
2. This report is invalid without the signatures of the staffs as ratifier, verifier and testing person.
3. This report is invalid if erased, altered or copied partially.
4. Any doubt about this report should be inform us in 15 days after receiving the report.
5. This report is only responsible for the accepted sample(s).



address: Guanzhuang Chaoyang District Beijing 100024 China

tel: +86-010-51167668

fax: +86-010-65714626

e-mail: huyunlin@cbmtc.com

web: <http://www.cbmtc.com>

web: <http://www.chinabmnet.com>