



中国认可
国际互认
检测
TESTING
CNAS L0690

TEST REPORT

Report No.: WT2022B01G00667E

Entrusted by: Guangdong Relang New Material Technology Co., Ltd.

Sample Name: Pure Acrylic Solid Surface Material

Test Type: Entrustment test

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Building Materials



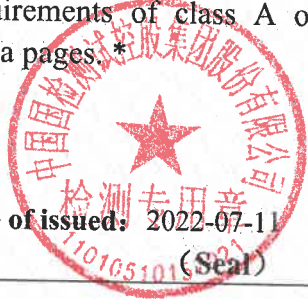
WT2022B01G00667

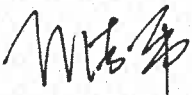
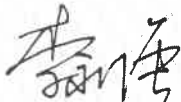
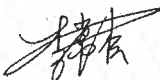


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Sample(s) Name	Pure Acrylic Solid Surface Material	Test Type	Entrustment test
Client	Guangdong Relang New Material Technology Co., Ltd.	Brand	Durasein®
Manufacture	Guangdong Relang New Material Technology Co., Ltd.	Sample State	Meet the requirements of testing
Receiving Date	June 6,2022	Quantity of sample(s)	75 pcs
Production Date	May,2022 /20220511	Model/Size	3660mm×760mm×12mm
Test Method(s)	The method for the test items are detailed in the data page(s).	Test Date	June 12,2022 to July 7,2022
Judgment Standard(s)	JC/T 908-2013(2017) Artificial stone GB 6566-2010 Limits of radionuclides in building materials		
Test Item(s)	Barcol hardness, Flexural strength etc., a total of 15 test items are detailed see data page.		
Test Result(s)	<p>* According to GB 6566-2010, the test results of radionuclides comply with the requirements of products with class A. According to JC/T 908-2013(2017), the other test results comply with the requirements of class A of artificial stone-solid surface materials (PMMA). See data pages.*</p> <p style="text-align: right;">  Date of issued: 2022-07-11 (Seal) </p>		
Remarks: (Blank) 1、 Sample number: PM.			

Approved by  Verified by  Compiled by 

Address: No.1 GuanzhuangDongli ,Chaoyang District, Beijing, China P.C.: 100024
 Tel: 00-86-10-51167681

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No.	Test Item(s)	Requirements of Standard (Artificial stone-solid surface materials)	Test Result(s)	Individual Conclusion	Test method(s)
1	Barcol hardness	Class A of PMMA ≥65	66	Pass	GB/T3854-2017
2	Impact toughness	≥4.0kJ/m ²	4.4kJ/m ²	Pass	GB/T 2567-2008
3	Falling ball impact	Class A: No cracking after impact by 450g steel ball falling from 2000mm high.	No cracking	Pass	JC/T 908-2013(2017) 7.7
4	Flexural strength (MPa)	≥40MPa	68MPa	Pass	JC/T 908-2013(2017) 7.8.1
5	Flexural modulus (GPa)	≥6.5GPa	7.8GPa	Pass	GB/T2567-2021
6	Abrasion resistance	≤0.6g	0.48g	Pass	JC/T 908-2013(2017) 7.10 GB/T17657-1999 4.38
7	Coefficient linear thermal expansion	≤5.0×10 ⁻⁵ °C ⁻¹	3.5×10 ⁻⁵ °C ⁻¹	Pass	JC/T 908-2013(2017) Annex D

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No.	Test Item(s)	Requirements of Standard (Artificial stone-solid surface materials)	Test Result(s)	Individual Conclusion	Test method(s)
8	Colorfastness and aging test	As compared with the contrast sample, no cracking, blistering or surface texture change, color differences ≤ 2	No cracking, blistering and surface texture change, color differences is 0.73	Pass	JC/T 908-2013(2017) 7.12 GB/T 11942-1989 GB/T 16422.2-2014
9	Stain resistance	Sum of stain index ≤ 64 ,	Sum of stain index: 34	Pass	JC/T 908-2013 (2017) Annex E
10	Oxygen index	≥ 40	44.0	Pass	GB/T 2406.2-2009
11	Flammability (Cigarette burning)	No flaming or smoldering, any form of damage does not affect product use, and can be roughly restored through abrasives and polishing agents.	No flaming or smoldering, burning marks do not affect the use of products and can be polished and restored.	Pass	JC/T 908-2013 (2017) 7.16.1

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No.	Test Item(s)	Requirements of Standard (Artificial stone-solid surface materials)	Test Result(s)	Individual Conclusion	Test method(s)
12	Chemical resistance	No obvious damage after test, slight damage should be erased by 600 mesh sandpaper, damage will not affect the performance of product and should be easily recovered.	No obvious damage	Pass	JC/T 908-2013 (2017) Annex F
13	Heated pan test	No cracking, crazing or blistering after test. Any color change should be removable by polishing which will not affect the performance of product.	No cracking, no crazing, no blistering, no obvious color change.	Pass	JC/T 908-2013 (2017) 7.18

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No.	Test Item(s)		Requirements of Standard (Artificial stone-solid surface materials)		Test Result(s)	Individual Conclusion	Test method(s)
14	High temperature resistance		No cracking, crazing or blistering after test. Any surface defect should be removable by polishing which will not affect the performance of product.		No cracking, no crazing, no blistering, no colour difference	Pass	JC/T 908-2013 (2017) Annex G
15	Radionuclides	Internal exposure index I_{Ra}	Class A	≤ 1.0	0.0 (+)	Pass	GB 6566-2010
		External exposure index I_r		≤ 1.3	0.0 (+)	Pass	
Annotations: 1. Test address: Guanzhuang.							

————— End of the Report —————

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