

PRODUCT TECHNICAL DATA

PANMIN

Crystalline Silica Free Surfaces

Tested by SGS



Corporate Headquarters:

RM 2002, No.21 Jiahe Rd, Xiamen City, Fujian Province, China

China Factories:

Kuixia Industrial Area, Shijing Town, Nan'an City, Fujian Province, China

No.58 Zhengxing Ave, Zhangzhou City, Fujian Province, China

Cambodia Factory:

ZSEZ, KM175, No.4 National Rd, Prey Nob, Sihanouk Province, Cambodia

INTRODUCTION

Crystalline Silica Free Surfaces from PANMIN - An innovative choice for superior surfaces, meticulously crafted to ensure both high performance and safety during fabrication. The composition modifications made to our product uphold its durability without compromise. Certified by reputable organizations and rigorously tested by SGS and other quality assurance protocols, our surfaces guarantee reliability in the market.

Our commitment to sustainability is evident in every aspect of our product. Crystalline Silica Free Surfaces are environmentally friendly, incorporating recycled materials and minerals into their composition. They epitomize ecological reliability, manufactured using renewable electric energy sources such as solar power and recycled water.

Versatile and adaptable, Crystalline Silica Free Surfaces find application in a myriad of areas including benchtops, splashbacks, wall paneling, vanity tops, flooring, and more. Experience firsthand the assurance of quality, durability, and sustainability with PANMIN's Crystalline Silica Free Surfaces.



Crystalline Silica Free



Durability



Certified



Sustainability



Various Applications

PRODUCT PERFORMANCE DATA

Quartz Identification

| No. | Composition | Test method(s) | Content, Wt% |
|-----|--------------------|----------------|--|
| 1 | Crystalline Silica | FTIR and XRD | Characteristic peaks of crystalline silica were not found. |

* Note :

1. Wt%- weight percent.
2. Quantitative data is for reference only.

Physical Properties

| No. | Test item(s) | Test method(s) | Test result(s) |
|-----|------------------------|---|------------------------|
| 1 | Absorption by Weight | Refer to ASTM C97/C97M-18 | 0.04 % |
| | Density | | 2137 kg/m ³ |
| 2 | Mohs' Hardness | Refer to EN 15771:2010 | 5 |
| 3 | Load Test | Refer to CSA B45.5-17/IAPMO Z124-2017 Section 5.8.6 | 0.02mm |
| 4 | Point Impact Load Test | Refer to CSA B45.5-17/IAPMO Z124-2017 Section 5.7 | No cracks or chips |
| 5 | Stain Resistance Test | Refer to CSA B45.5-17/IAPMO Z124-2017 Section 5.11 | Passed |
| 6 | Cigarette Test | Refer to CSA B45.5-17/IAPMO Z124-2017 Section 5.14 | No visible damage |

| | | | |
|---|--------------------------------------|---|------------|
| 7 | Chemical Resistance Test | Refer to CSA B45.5-17/IAPMO Z124-2017 Section 5.15 | Unaffected |
| 8 | Heated Pan Test | Refer to CSA B45.5-17/IAPMO Z124-2017 Section 5.23 | No effect |
| 9 | Light Ageing Test-Xenon-arc Exposure | CSA B45.5-17/IAPMO Z124-2017 section 5.10 & ASTM D2565-16 | Passed |

Note: This document incorporates information and conclusions derived from an SGS test report, bearing the report number XMIN2401000030CM01_EN and dated January 23, 2024.

