



Poly Vision Pte Ltd  
16 Tuas View Place,  
Singapore 637862  
T (65) 6569 0566  
F (65) 6569 3603  
[www.pv.com.sg](http://www.pv.com.sg)



AN ASME-LIANHE ZAOBAO AWARD  
新加坡金字品牌奖  
Singapore  
Prestige  
Brand Award 13  
Winner, SPBA - Established Brands

# SPARTILE

## SINTERED STONE SURFACES



Poly Vision Pte Ltd  
 16 Tuas View Place,  
 Singapore 637862  
**T** (65) 6569 0566  
**F** (65) 6569 3603  
**www.pv.com.sg**



**TESTING BODY:** NATIONAL CENTER OF SUPERVISION AND TESTING FOR CERAMIC SANITARY AND PLUMBING AND FIXTURE

**TESTING DATE:** 2024-01-10

**INSPECTION STANDARDS:** ISO 13006:2018 Ceramic Tiles

**CONCLUSION:** Except the test items No.12~20 which Verdict is not applicable, the test results comply with the requirement of the standard ISO 13006:2018 Annex G and the type A requirement for the decorative materials of the standard GB 6566-2010.

No.	Test Item	Unit	Technical Requirements			Test Results	Verdict
1	Size and Difference	%	Length	The deviation, of the average size for each tile from the work size	±0.3	-0.01~+0.01	PASS
		mm			±1.0	-0.2~+0.3	
		%	Width	The deviation, of the average size for each tile from the work size	±0.3	-0.03~+0.01	
		mm			±1.0	0.4~+0.2	
		%	Thickness	The deviation, of the average thickness of each tile from the work size thickness	±5	-0.8~+0.8	
		mm			±0.5	-0.1~+0.1	
2	Straightness of sides (rectified)	%	±0.3			-0.03~+0.03	PASS
		mm	±0.8			-0.63~+0.51	



Poly Vision Pte Ltd  
 16 Tuas View Place,  
 Singapore 637862  
 T (65) 6569 0566  
 F (65) 6569 3603  
 www.pv.com.sg



3	Rectangularity (rectified)	%	±0.3	-0.03~+0.03	PASS
		mm	±1.5	-0.69~+0.64	
4	Surface quality		A minimum of 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of tiles.	Conformed	PASS
5	Water absorption	%	Average maximum 0.5	0.07	PASS
			Individual maximum 0.6	0.05~0.09	
6	Breaking strength	N	When the thickness≥7.5mm, the mean value shall not be less than 1300	3872	PASS
7	Modulus of rupture	Mpa	Average minimum 35	41	PASS
			Individual minimum 32	41~42	
8	Crazing resistance		No crazing or peeling on the glazed surface after the crazing test.	Conformed	PASS
9	Frost resistance		No crack or peeling after the frost test	Conformed	PASS
10	Resistance to staining		Minimum class 3	Class 5	PASS
11	Resistance to household chemicals & swimming pool salts		Minimum B	Class A	PASS
12	Resistance to thermal shock		Report the test result after test	No Crack	
13	Resistance to low concentrations of acids and alkalis		Manufacturer to state classification	Class LA	



Poly Vision Pte Ltd  
 16 Tuas View Place,  
 Singapore 637862  
 T (65) 6569 0566  
 F (65) 6569 3603  
 www.pv.com.sg



14	Resistance to high concentrations of acids and alkalis		Manufacturer to state classification	Class HA	
15	Surface abrasion		Report abrasion class and cycles passed	12000 cycles	Class 4
16	Coefficient of linear thermal expansion	°C <sup>-1</sup>	Report the coefficient of linear thermal expansion	6.4×10 <sup>-6</sup>	
17	Moisture expansion	%	Report the test result after test	<0.01	
18	Impact resistance		Report the average resiliency coefficient	0.85	
19	Lead release	mg/dm <sup>2</sup>	Report the release	<0.02	
		mg/L		<0.5	
20	Cadmium release	mg/dm <sup>2</sup>	Report the release	<0.002	
		mg/L		<0.05	

THE END