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AN ASME-LIANHE ZAOBAO AWARD

新加坡金字品牌奖

Singapore  
Prestige  
Brand Award 13

Winner, SPBA - Established Brands

# SPARTILE

EXTRA-LARGE FORMAT PORCELAIN PANEL

## PRODUCT

## TECHNICAL SPECIFICATIONS



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**TESTING BODY:** SGS-CSTC STANDARDS TECHNICAL SERVICES

**TEST DATE:** 2019-04-28

**PRODUCT SPECIFICATION:** L3200 X W1600 X 12mm PORCELAIN SLAB

No.	Test Item	Technical Requirements	Test Results
1	Water Absorption	With reference to EN 14411:2016 & EN ISO 10545-3:1997 Boiling Method	0.022%
2	Breaking Strength	EN 14411:2016 & EN ISO 10545-4:2014	4836.3N
3	Modulus of Rupture		54.3N/mm <sup>2</sup>
4	Coefficient of linear thermal expansion	EN 14411:2016 & EN ISO 10545-8:2014	5.1
5	Resistance to thermal shock	EN 14411:2016 & EN ISO 10545-9:2013	No visible defects
6	Frost Resistance	With reference to EN 14411:2016 & EN ISO 10545-12:1997	No visible defects
7	Resistance to chemicals	EN 14411:2016 & EN ISO 10545-13:2016	
		a. Hydrochloric acid solution 3% (V/V)	Class LA
		b. Citric Acid Solution (100g/L)	Class LA
		c. Potassium Hydroxide Solution (30g/L)	Class LA
		d. Household Chemicals: Ammonium Chloride solution (100g/L)	Class A
e. Swimming Pool Salts: Sodium hypochlorite solution (20mg/L)	Class A		
8	Resistance to staining	EN 14411:2016 & EN ISO 10545-14:2015	Class 5
		a. Iodine: 13g/L solution in alcohol	Class 5
		b. Green staining agent in light oil	Class 5
		c. Olive oil	Class 5
9	MOH	EN 15771:2010	6
10	Abrasion Resistance of Unglazed Tiles	EN 14411:2016 & EN ISO 10545-6:2012	89 mm <sup>3</sup>
11	Impact Resistance	EN 14411:2016 & EN ISO 10545-5:1996/Cor 1:1997	0.88
12	Fire Test	EN 13501-1:2007+A1:2009	Fire Classification: A1