

### Test Result of Glazed Porcelain Tile

Test Item	Product Standard	Chinese Standard Requirement	Test Result
water absorption	GB/T4100 1-1999	average: $\leq 0.5\%$	0.10%
length deviation	GB/T4100 1-1999	$\pm 0.75\%$	-0.3~0.07%
edge straightness	GB/T4100 1-1999	$\pm 0.4\%$	-0.13~0.12%
squareness	GB/T4100 1-1999	$\pm 0.4\%$	-0.12~0.08%
surface flatness	GB/T4100 1-1999	$\pm 0.4\%$	$\pm 0.13\%$
Thickness	GB/T4100 1-1999	$\pm 5\%$	$\pm 3\%$
breaking strength	GB/T4100 1-1999	when thickness $\geq 7.5\text{mm}$ ,	1800N
	GB/T4100 1-1999	average parameter $\geq 1300\text{N}$	
rupture modulus	GB/T4100 1-1999	average $\geq 30\text{Mpa}$	42.4Mpa
	GB/T4100 1-1999	single $\geq 27\text{Mpa}$	40.1~44.6Mpa
Wearing strength	GB/T4100 1-1999	$\leq 175\text{mm}^3$	$\leq 165\text{mm}^3$
resistance to Thermal vibratility	GB/T4100 1-1999	No crackle and crack after rapid cooling and rapid heating cycle for 10 times	ok
frost resisting property	GB/T4100 1-1999	No crack or spalling after frost resistance test	ok
Surface quality	GB/T4100 1-1999	examine the surface straightly from over 0.8m distance and no any fault can be found for over 95% surface	ok
Radioactivity	GB6566-2001. A category	$\text{IRa} < 1$ $\text{Ir} < 1.3$	$\text{IRa} < 0.4$ $\text{Ir} < 0.8$
Slip resistance(Ramp test)	DIN 51130:2014	Mean overall acceptance angle: $9.3^\circ$	Slip resistance assessment group: R9