















full body porcelain UGL

ACCORDING TO:  
ANSI A137.1 - UNGLAZED PORCELAIN TILES CLASS P1

12"x24" tickness 9mm  
18"x36" - 9"x36" tickness 10mm

	TECHNICAL FEATURES	test method	required values	average values
	water absorption	ASTM C373	≤ 0.5%	CONFORMS
	breaking strength	ASTM C648	≥ 250 lbf	350 lbf 9 mm 425 lbf 10 mm
	deep abrasion resistance	ASTM C1243	≤ 175 mm <sup>3</sup>	145 mm <sup>3</sup>
	linear thermal expansion	ASTM C372	no provision	$\alpha \leq 8 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$ $\alpha \leq 4.4 \times 10^{-6} \text{ } ^\circ\text{F}^{-1}$
	stain resistance	ASTM C1378	as indicated by manufacturer	A RESISTANT
	chemical resistance*	ASTM C650	as indicated by manufacturer	A RESISTANT
	frost resistance	ASTM C1026	as indicated by manufacturer	RESISTANT
	bond strenght	ASTM C482	≥ 50 PSI	CONFORMS
	slip resistance	ANSI A137.1	DCOF ≥ 0.42	DCOF ≥ 0.42
	flame spread	ASTM E84	-	Class A
	robinson floor tester	ASTM C627	as indicated by manufacturer	≥ 14 cycles Extra Heavy Commercial (over concrete)
	thermal conductivity	EN 12524	-	$\lambda = 1,3 \text{ W/m}^\circ \text{ K} - 0.7 \text{ Btu/ft h}^\circ \text{ F}$
	recommended minimum joint	RECT (indoor) NOT RECT (indoor)	- -	2mm 3-4mm approx.
	shade variation	ANSI A137.1	-	V3

\*excluding hydrofluoric acid and derivatives