








TECHNICAL DATA

MANUFACTURER	MIKI AND COMPANY LIMITED
PRODUCT NAME SIZE AND MODEL	ANTISLIP GLAZED 2"x2" PORCELAIN MOSAIC TILES – 48 x 48 x 6mm
TEST RESULTS	The tested items comply with the requirements of ISO-10545

ITEMS TESTED		REQUIRED STANDARD	RESULTS
Length		ISO-10545-2 $\pm 0.5\text{mm}$ ($\pm 1.2\%$)	0.0~0.3mm
Width		ISO-10545-2 $\pm 0.5\text{mm}$ ($\pm 1.2\%$)	0.0~0.3mm
Thickness		ISO-10545-2 6mm $\pm 0.5\text{mm}$	$\pm 0.2\text{mm}$
Water Absorption		ISO-10545-3 $\leq 0.6\%$	0.07~0.16%
Breaking Strength		ISO-10545-4 ≥ 700	869
Visible Abrasion Resistance		ISO-10545-2	CONFORMED
Crazing Resistance		ISO-10545-11	RESISTANT
Thermal Shock Resistance		ISO-10545-9	RESISTANT
Dynamic Coefficient Of Friction		ANSI-A326-3	0.63

TECHNICAL DATA FOR "TECHNO" & "BEE BOX UNGLAZED" UNGLAZED PORCELAIN MOSAICS

PRODUCT SIZE : 48mm x 48mm (SHEET SIZE : 306mm x 306mm, DOT MOUNT)
 23mm x 73mm (SHEET SIZE : 300mm x 300mm, ON MESH)
 51mm x 59mm Hexagon (SHEET SIZE : 325mm x 281mm, ON MESH)

PRODUCT USAGE :



INTERIOR WALL



INTERIOR FLOOR
(Residential) (Commercial
)



EXTERIOR WALL



EXTERIOR FLOOR *



WET AREA
(Wall & Floor)



SWIMMING POOL

1) PHYSICAL PROPERTY

a) WATER ABSORPTION	<0.5%	(EN-ISO-10545-3)
b) THERMAL SHOCK RESISTANCE	RESISTANT	(EN-ISO-10545-9)
c) FROST RESISTANCE	RESISTANT	(EN-ISO-10545-12)

2) CHEMICAL PROPERTY

a) STAIN RESISTANCE	CLASS 5	(EN-ISO-10545-14)
b) CHEMICAL RESISTANCE		
FOR POOL SALTS & HOUSEHOLD CHEMICALS	Class A	(EN-ISO-10545-13)
FOR ACID	UHA	(EN-ISO-10545-13)
FOR ALKALI	UHA	(EN-ISO-10545-13)

3) CHARACTERISTIC PROPERTY

a) SLIP RESISTANCE	R10-R11	(DIN-51130)
WET DCOF *	More than 0.42	(ANSI-A137.1)
b) MOH'S HARDNESS	7	
c) FORMALDEHYDE RELEASE	<0.01PPM	(ASTM-E1333)
d) LEAD RELEASE	<0.01mg/L	(ASTM-C895)
e) CADMIUM RELEASE	<0.05mg/L	(ASTM-C895)

* With grout joints, will reflect DCOF more than 0.55 wet making them suitable above mentioned usage.