



**UNION  
TILES**

*Style & Quality You can Afford*

Full body porcelain tiles  
with a natural and structured finish

**ZEN**  
series

*Exclusive to Union Tiles*

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1TREZZ6872600  
IVORY NATURAL (R9)



1TREZZ6872M600  
IVORY STRUCTURED (R11)



1TREZZ6870600  
CHARCOAL NATURAL (R9)



1TREZZ6870M600  
CHARCOAL STRUCTURED (R11)



1TREZZ6873600  
BEIGE NATURAL (R9)

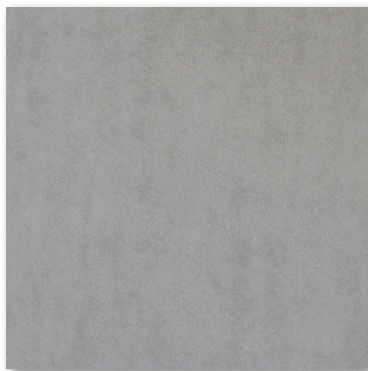


1TREZZ6873M600  
BEIGE STRUCTURED (R11)



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1TREZZ6879600  
GREY NATURAL (R9)



1TREZZ6879M600  
GREY STRUCTURED (R11)



1TREZZ6876600  
GRANITE NATURAL (R9)



1TREZZ6876M600  
GRANITE STRUCTURED (R11)



1TREZZ6877600  
TAUPE NATURAL (R9)



1TREZZ6877M600  
TAUPE STRUCTURED (R11)



# TECHNICAL SPECIFICATIONS

**ZEN**  
series

ZEN SERIES	Technical features	Norms	Required standards		MATT
Physical Characteristics	Length and width	ISO 10545-2	$\pm 0,6\%*$ $\pm 0,5\%**$		$\pm 0,1\%$ $\pm 0,1\%$
	Thickness		$\pm 5,0\%$		Suitable for
	Straightness of sides		$\pm 0,5\%$		$\pm 0,1\%$
	Rectangularity		$\pm 0,6\%$		$\pm 0,1\%$
	Surface flatness		c.c. $\pm 0,5\%$ e.c. $\pm 0,5\%$ w $\pm 0,5\%$	Not applicable to structured structures	$\pm 0,3\%$ $\pm 0,3\%$ $\pm 0,3\%$
Structural Characteristics	Water absorption	ISO 10545-3	$\leq 0,5\%$		$\leq 0,4\%$
Mechanical Characteristics	Breaking strength	ISO 10545-4	$S \geq 1300 \text{ N}$		$S \geq 2000 \text{ N}$
	Modulus of rupture		$R \geq 35 \text{ N/mm}^2$		$R \geq 36 \text{ N/mm}^2$
Surface Specifications	Mohs hardness	EN 101	MATT. $\geq 6$	STR. $\geq 6$	Suitable for
	Resistance to deep abrasion	ISO 10545-6	$\leq 175 \text{ mm}^3$		$\leq 150 \text{ mm}^3$
Thermal and hygrometric Characteristics	Coefficient of thermal linear expansion	ISO 10545-8	Test method available		$\leq 7 \text{ MK-1}$
	Thermal shock resistance	ISO 10545-9	Test method available		RESISTANT
	Resistance to frost	ISO 10545-12	Required		RESISTANT
Safety Parameters	Dynamic friction coefficient	METODO B.C.R.A.	D.M.I. Giugno 1989 n.236 ( $\mu > 0,40$ )		$> 0,40$
	Static coefficient of friction	ASTM C 1028 (S.C.O.F.)	Slip Resistant ( $> 0,60$ )		$\geq 0,60 \text{ DRY}$ $\geq 0,50 \text{ WET}$
	Non-slip classification	DIN 51130	Structured Matt		R1 R9
Chemical Resistance	Resistance to household chemicals and swimming pool salts	ISO 10545-13	Class UB min.		UA
	Resistance to low concentrations of acids and alkalis		Manufacturer to state classification		ULA
	Resistance to high concentrations of acids and alkalis		Test method available		UHA
	Resistance to staining	ISO 10545-14	Test method available		5

## AVAILABLE SIZE



600 X 600mm



300 X 600mm



300 X 300mm



Natural Finish



Structured Finish



# ZEN

series

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#### BRANCHES

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**Cape Town** 021 510 5933

**Nelspruit** 013 752 6775

**Randburg** 011 791 4924

**Swakopmund** 00264 64 461111

**Tshwane** 012 643 0121

**Windhoek** 00264 61 271 296/7

**Zambia** 00260 97 774 7332

**Design Studio by Union Tiles - Hillcrest** 031 765 8021 / 8024

**Design Studio By Union Tiles - Silverlakes** 012 809 0971

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