

CONCRETO  
COLLECTION  
2020

CONCRETO

  
**Simpolo**<sup>®</sup>  
ceramics

## United Uniqueness

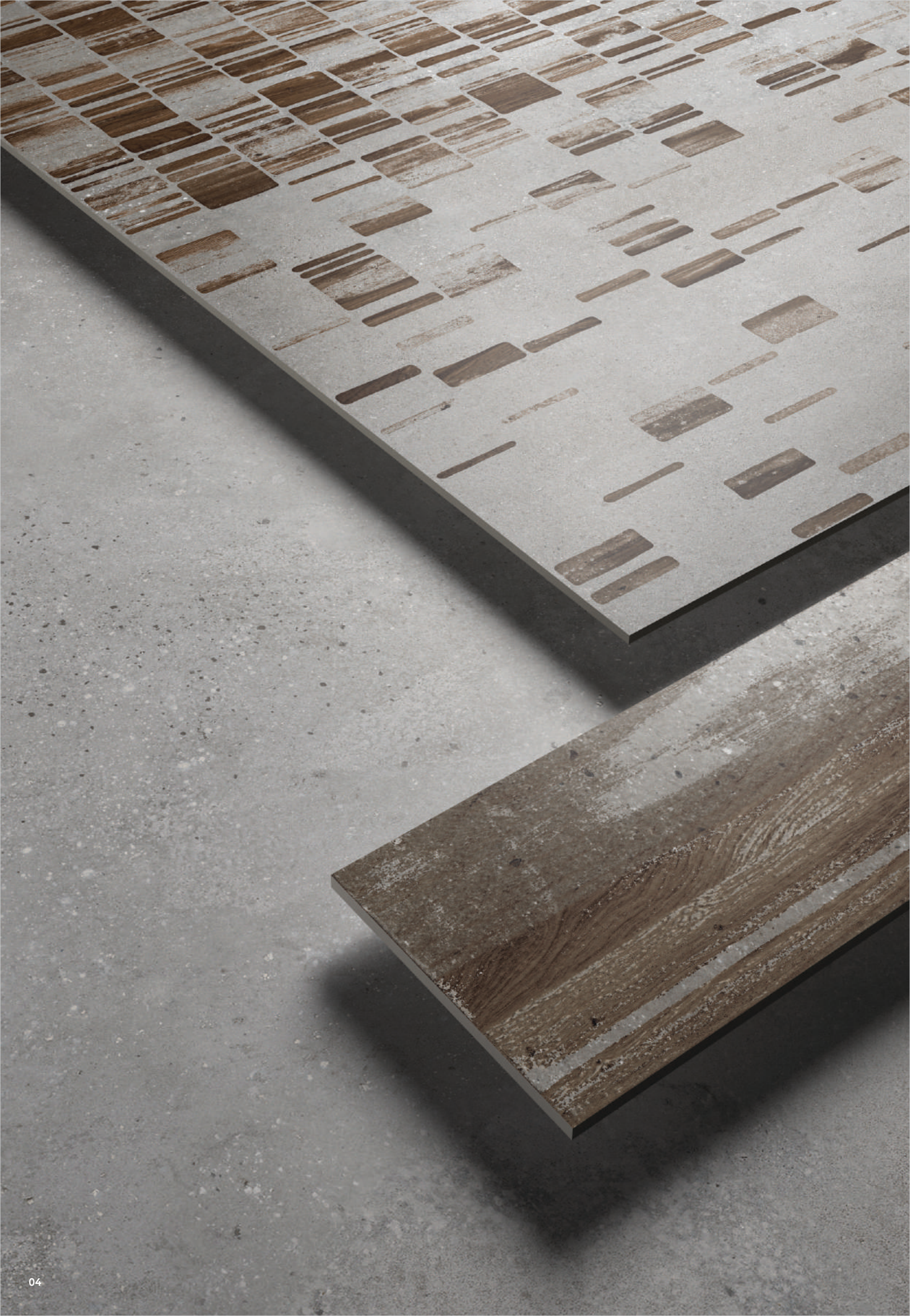
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'Concreto' is inspired from the two basic materials Wood and Cement. Wood is one of the oldest natural materials known to mankind and on the other hand, Cement, the man-made building material that is used most frequently in today's time. This collection is a result of uniting the visual characteristics of these two unique materials.


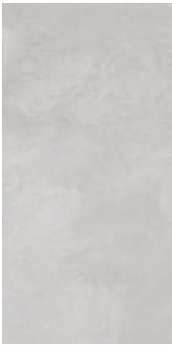






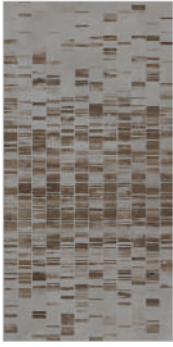
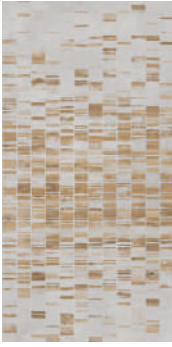
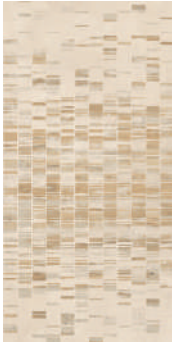







With two grey tones of the cement, we have designed two uncommon warm shades of 'Concreto' to complement the warm ambiance of your spaces. The wood is perfectly matched to complement the cement. The rawness of both the materials embodies each other seamlessly.

**CONCRETO**

COLLECTION\_2020



CONCRETO COLLECTION

<p><b>4</b> COLORS</p>	<p>CONCRETO NERO</p> 	<p>CONCRETO GRIS</p> 	<p>CONCRETO BARLEY</p> 	<p>CONCRETO CREMA</p> 	<p><b>4</b> SIZES</p> <ul style="list-style-type: none"> <li> 120x278cm 48x110in</li> <li> 120x240cm 48x96in</li> <li> 120x120cm 96x96in</li> <li> 60x120cm 24x96in</li> </ul>	
	<p>CONCRETO NERO DECOR</p> 	<p>CONCRETO GRIS DECOR</p> 	<p>CONCRETO BARLEY DECOR</p> 	<p>CONCRETO CREMA DECOR</p> 		<p><b>2</b> SIZES</p> <ul style="list-style-type: none"> <li> 120x278cm 48x110in</li> <li> 120x240cm 48x96in</li> </ul>
	<p>CONCRETO NERO WOOD</p> 	<p>CONCRETO GRIS WOOD</p> 	<p>CONCRETO BARLEY WOOD</p> 	<p>CONCRETO CREMA WOOD</p> 		

**Surface**  
Matt

**Thickness**  
9mm

CONCRETO  
NERO

CONCRETO COLLECTION



Wall

CONCRETO NERO

\_Size: 120x278cm / 48x110in

Floor

CONCRETO NERO

\_Size: 120x120cm / 48x48in

**CONCRETO COLLECTION**

**Wall**

CONCRETO NERO  
\_Size: 120x278cm / 48x110in

**Floor**

CONCRETO NERO  
\_Size: 120x120cm / 48x48in

**COUNTER**

CONCRETO NERO  
\_Size: 120x278cm / 48x110in



CONCRETO COLLECTION



**Wall**  
CONCRETO NERO  
\_Size: 120x240cm / 48x96in

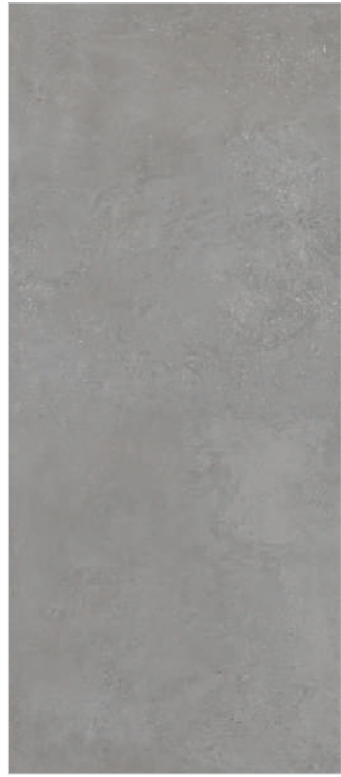
**Floor**  
CONCRETO NERO WOOD  
\_Size: 20x120cm / 8x48in



**Wall**  
CONCRETO NERO DECOR  
\_Size: 120x240cm / 48x96in

**Floor**  
CONCRETO NERO  
\_Size: 120x120cm / 48x48in

CONCRETO NERO



120x278cm  
48x110in

4 Face



120x240cm  
48x96in

4 Face

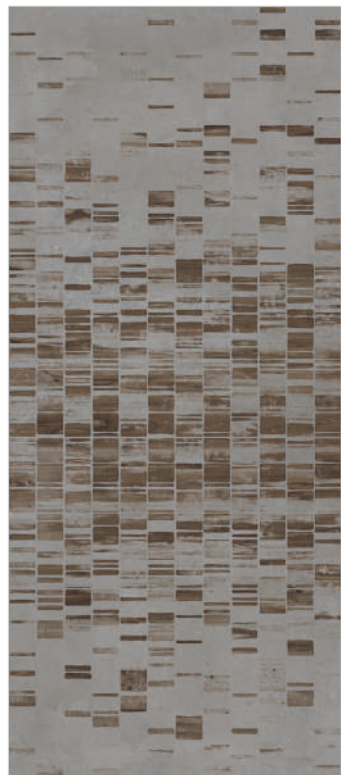


120x120cm  
48x48in

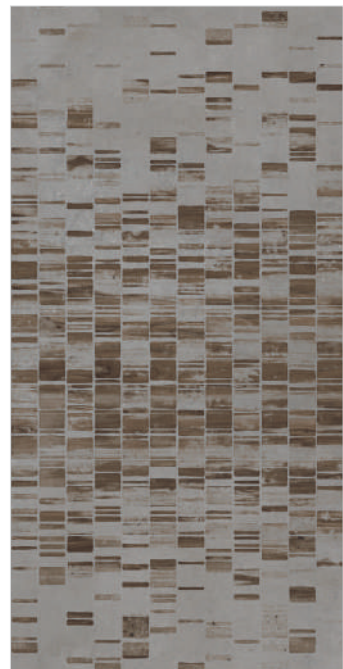
8 Face



60x120cm 16 Face  
24x48in



Concreto Nero Decor  
120x278cm  
48x110in



Concreto Nero Decor  
120x240cm  
48x96in



Concreto Nero Wood 14 Face  
20x120cm  
8x48in

**Thickness** 9mm **Surface** Matt

CONCRETO COLLECTION

CONCRETO GRIS



120x278cm  
48x110in

4 Face



120x240cm  
48x96in

4 Face

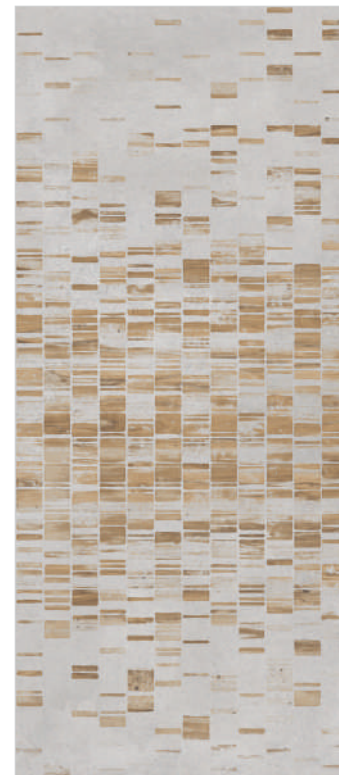


120x120cm  
48x48in

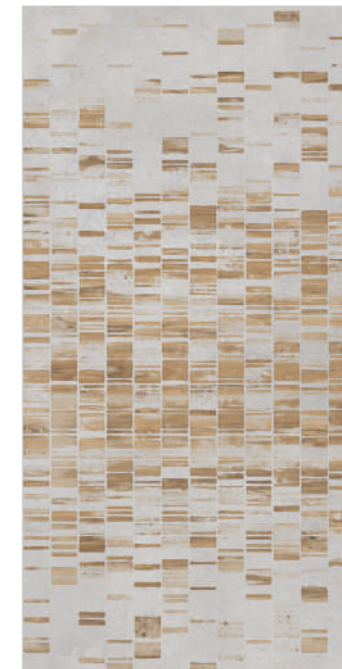
8 Face



60x120cm 16 Face  
24x48in



Concreto Gris Decor  
120x278cm  
48x110in



Concreto Gris Decor  
120x240cm  
48x96in



Concreto Gris Wood 14 Face  
20x120cm  
8x48in

**Thickness** 9mm **Surface** Matt

CONCRETO  
BARLEY

CONCRETO COLLECTION

Floor  
CONCRETO BARLEY  
\_Size: 120x120cm / 48x48in





**CONCRETO COLLECTION**

Wall

CONCRETO BARLEY

\_Size: 120x240cm / 48x96in

Floor

CONCRETO BARLEY

\_Size: 120x120cm / 48x48in



**CONCRETO COLLECTION**



**Wall**  
CONCRETO BARLEY  
\_Size: 120x240cm / 48x96in

**Floor**  
CONCRETO BARLEY WOOD  
\_Size: 20x120cm / 8x48in



**Wall**  
CONCRETO BARLEY DECOR  
\_Size: 120x240cm / 48x96in

**Floor**  
CONCRETO BARLEY  
\_Size: 120x120cm / 48x48in

CONCRETO BARLEY



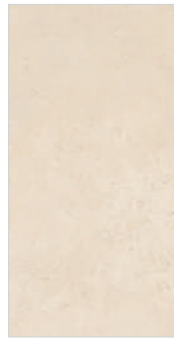
120x278cm  
48x110in 4 Face



120x240cm  
48x96in 4 Face



120x120cm  
48x48in 8 Face



60x120cm  
24x48in 16 Face



Concrete Barley Decor  
120x278cm  
48x110in



Concrete Barley Decor  
120x240cm  
48x96in

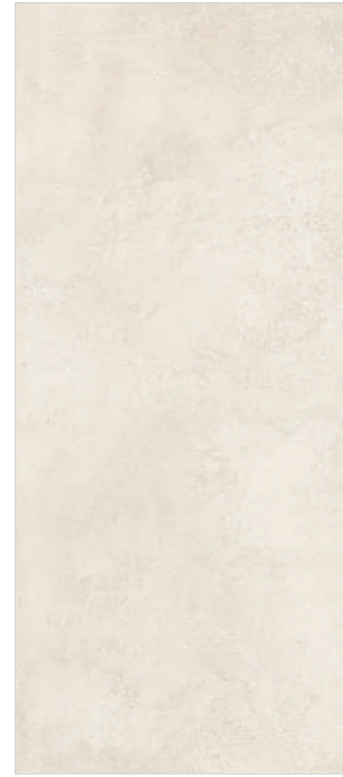


Concrete Barley Wood 14 Face  
20x120cm  
8x48in

**Thickness** 9mm **Surface** Matt

CONCRETO COLLECTION

CONCRETO CREMA



120x278cm  
48x110in 4 Face



120x240cm  
48x96in 4 Face



120x120cm  
48x48in 8 Face



60x120cm  
24x48in 16 Face



Concrete Crema Decor  
120x278cm  
48x110in



Concrete Crema Decor  
120x240cm  
48x96in



Concrete Crema Wood 14 Face  
20x120cm  
8x48in

**Thickness** 9mm **Surface** Matt

## Technical Specification

CHARACTERISTIC	STANDARD AS PER ISO13006:2018/EN14411 Gr.Bla	STANDARD AS PER IS15622:2017 Gr.Bla	MEAN VALUE OF SIMPOLO	TEST METHOD
<b>Regulatory Properties</b>				
Deviation in length and width	± 0.30 % (±1.00mm)	± 0.10 %	± 0.10 %	ISO 10545-2 & IS 13630-1
Deviation in thickness	± 5.00 % (±0.50mm)	± 5.00 %	± 4.00 %	ISO 10545-2 & IS 13630-1
Straightness in side	± 0.30 % (±0.80mm)	± 0.10 %	± 0.10 %	ISO 10545-2 & IS 13630-1
Rectangularity	± 0.30 % (±1.50mm)	± 0.10%	± 0.10 %	ISO 10545-2 & IS 13630-1
Surface flatness central curvature	± 0.40 % (±1.80mm)	± 0.50 %	± 0.20 %	ISO 10545-2 & IS 13630-1
Surface flatness edge curvature	± 0.40 % (±1.80mm)	± 0.50 %	± 0.20 %	ISO 10545-2 & IS 13630-1
Surface flatness warpage	± 0.40 % (±1.80mm)	± 0.50 %	± 0.10 %	ISO 10545-2 & IS 13630-1
Surface quality	> 95% defects free	> 95% defects free	> 95% defects free	ISO 10545-2 & IS 13630-1
Small color difference (for plain color)	ΔE < 0.75	N.A.	ΔE < 0.30	ISO 10545-16
Glossiness (with nano polished)	as per mfg.	as per mfg.	> 90**	Glossmeter 60°
Glossiness (without polished)	as per mfg.	as per mfg.	3° < GLOSS < 7°*	Glossmeter 60°
Glossiness (satin)	as per mfg.	as per mfg.	7° < GLOSS < 18°*	Glossmeter 60°
<b>Structural Properties</b>				
Water absorption	≤ 0.50 %	≤ 0.080 %	≤ 0.060 %	ISO 10545-3 & IS 13630-2
Bulk density	as per mfg.	Min. 2.20 g/cc	> 2.28 gm/cc	DIN51082 & IS 13630-2
<b>Massive Mechanical Properties</b>				
Modulus of rupture	Min. 35.0 N/mm <sup>2</sup>	Min. 35.0 N/mm <sup>2</sup>	Min. 40.0 N/mm <sup>2</sup>	ISO 10545-4 & IS 13630-6
Breaking strength thickness <7.5	Min. 700.0 N	Min. 700.0 N	Min. 1000.0 N	ISO 10545-4 & IS 13630-6
Breaking strength thickness ≥7.5	Min. 1300.0 N	Min. 1100.0 N	Min. 1800.0 N	ISO 10545-4 & IS 13630-6
<b>Surface Mechanical Properties</b>				
MOH'S hardness	as per mfg.	Min. 5	PGVT - Min. 4** / GVT - Min. 6*	BS EN 15771:2010
Surface abrasion resistance-Glossy #	as per mfg.	Min. Class II	Min. Class 2 / Min. Class II	ISO 10545-7 & IS 13630-11
Surface abrasion resistance-Matt #	as per mfg.	Min. Class II	Min. Class 4 / Min. Class IV	ISO 10545-7 & IS 13630-11
<b>Thermal Hydrometric Properties</b>				
Moisture expansion	Max. 0.06%(0.6mm/m)	Max. 0.02mm/m	Max. 0.02mm/m	ISO 10545-10 & IS 13630-3
Thermal expansion(COE) at 100°C	as per mfg.	Max. 6.0 x 10 <sup>-6</sup>	Max. 6.0 x 10 <sup>-6</sup>	ISO 10545-8 & IS 13630-4
Thermal shock resistance	Min. 10 Cycle	Min. 10 Cycle	Min. 10 Cycle	ISO 10545-9 & IS 13630-5
Crazing resistance at (ISO 500 ±20 kPa-159°C ±1°C) / (IS 750 ±20 kPa-168°C ±1°C)	as per mfg.	Min. 4 Cycle	Min. 6 Cycle	ISO 10545-11 & IS 13630-9
Impact resistance(COR)	Min. 0.55	Min. 0.55	Min. 0.55	ISO 10545-5 & IS 13630-14
Frost resistance	as per mfg.	as per mfg.	Frost Proof	ISO 10545-12 & IS 13630-10
<b>Chemical Properties</b>				
Resistance to staining glazed	Min. Class 3	Min. Class I	Min. Class 4/Min. Class I	ISO 10545-14 & IS 13630-8
Resistance to household chemicals & swimming pool salts glazed	Min. Class GB	Min. Class AA	Min. Class GA/Min. Class AA	ISO 10545-13 & IS 13630-8
**Resistance to low concentrate acid and alkalis glazed	as per mfg.	as per mfg.	Min. Class GLB***/Min. Class A***	ISO 10545-13 & IS 13630-8
**Resistance to high concentrate acid and alkalis glazed	as per mfg.	as per mfg.	Min. Class GHB***/Min. Class A***	ISO 10545-13 & IS 13630-8
<b>Safety Properties</b>				
Skid resistance(DCOF-DRY)##	as per mfg.	as per mfg.	PGVT - < 0.30 / GVT - > 0.40	ISO 10545-17
Slip resistance(DCOF)( R value )##	as per mfg.	as per mfg.	R9 to R13	ISO 10545-17
Determination of lead & cadmium release for glazed tiles	as per mfg.	N.A.	Dose not yield Pb & Cd	ISO 10545-15
Fire resistance	as per mfg.	as per mfg.	Fire Proof	N.A.

\* For matt & satin finished

\*\* With nano technology (polished vitrified tiles) depending on application area (low or high intensity of traffic)

\*\*\* Except hydrofluoric acid & it's compound

# Glaze tiles Intended for use on floor

## As per customer requirement

## Packing Details

PRODUCT	SIZE	ACTULE SIZE	SIZE IN INCH	THICKNESS	TILES / BOX	COVERAGE AREA / BOX
CONCRETO	120x278cm	1200x2780mm	48x110in	9mm	1pc	35.91 Sq ft 3.34 Sq m
	120x240cm	1200x2400mm	48x96in	9mm	1pc	31.00 Sq ft 2.88 Sq m
	120x120cm	1200x1200mm	48x48in	9mm	2pcs	31.00 Sq ft 2.88 Sq m
	60x120cm	600x1200mm	24x48in	9mm	2pcs	15.50 Sq ft 1.44 Sq m
	20x120cm	195x1200mm	8x48in	9mm	6pcs	15.11 Sq ft 1.40 Sq m

## TILES & SANITARYWARE



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Tele.: +91 2822 241622, Customer Care: +91 75748 62982 / 83  
E-mail: [customercare@simpolo.net](mailto:customercare@simpolo.net)

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Tele.: +91 93103 90046, E-mail: [delhi@simpolo.net](mailto:delhi@simpolo.net)

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Mob.: +91 93493 39938, Fax: +91 4844 037118, E-mail: [cochin@simpolo.net](mailto:cochin@simpolo.net)

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