

# CEMENTOUS

— the new industrial revolution —





C E M E N T

—|the new industrial revolution|—

# T O U S

Ever since the industrial design trend exploded into the public consciousness, the world has been taken with it. Clearly, to a generation obsessed with authenticity, the raw, honest design language is one that is well perceived and appreciated.

And Cementous is a product of such an era. The series features a seemingly unfinished, concrete effect that strips away all airs of pretension and excessiveness, thereby unlocking the beauty in its essence. Though edgy, the glossy-like surface and neutral colour scheme soften its intensity, keeping it looking understated and refined without being overly formal.

With a utilitarian quality, Cementous makes a great protagonist of any contemporary spaces - perfect for completing that cosmopolitan appearance with character.



4

COLOURS

AMBER WHITE  
ANTIQUE IVORY  
ASH GREY  
DARK ROAST

3

FORMATS

60x120cm  
60x60cm  
30x60cm

2

SURFACES

mat  
structured

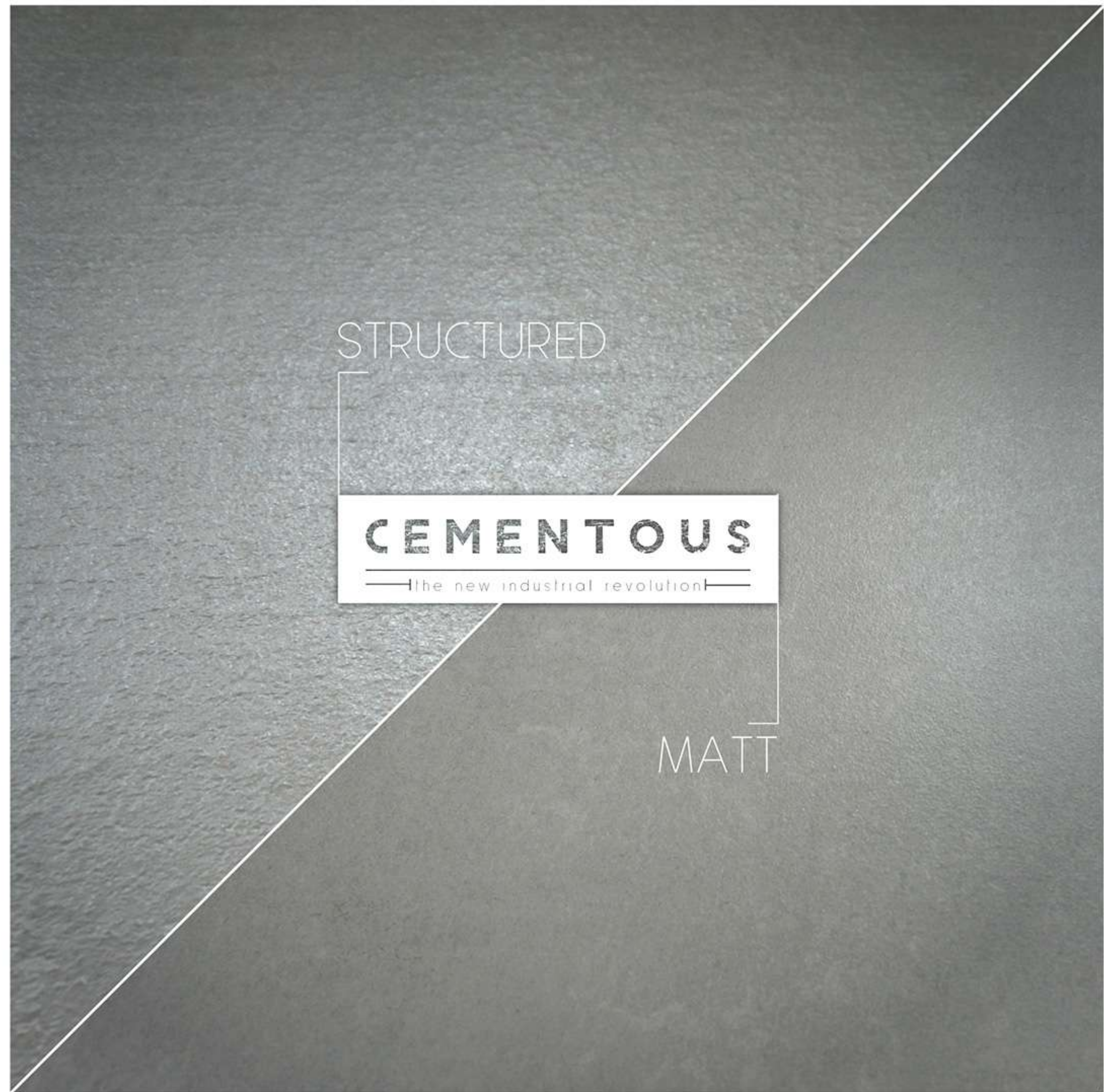


STRUCTURED

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MATT

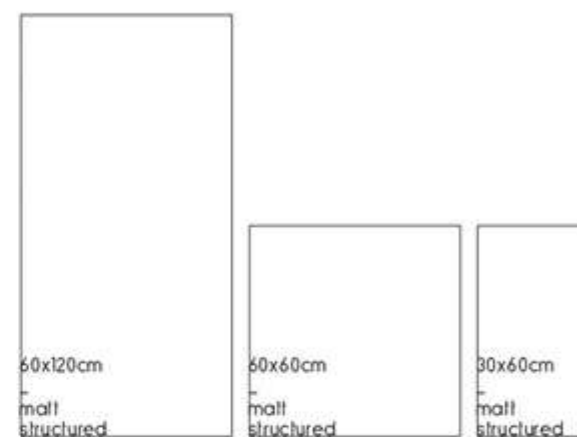




# AMBER WHITE

**GCU01**

Amber White is proof that a lack of colour is anything but boring. It feels decidedly fresh and not too thematic, while providing a veritable blank canvas for people to layer in personal items and accessories. Whether you are a minimalist or a maximalist, you will find yourself gravitating towards it.



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AMBER WHITE GCU01





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◀ **CEMENTOUS**  
GCU01 AMBER WHITE  
60x120cm  
mat

▲ **CEMENTOUS**  
GCU01 AMBER WHITE  
60x60cm • 30x60cm  
structured

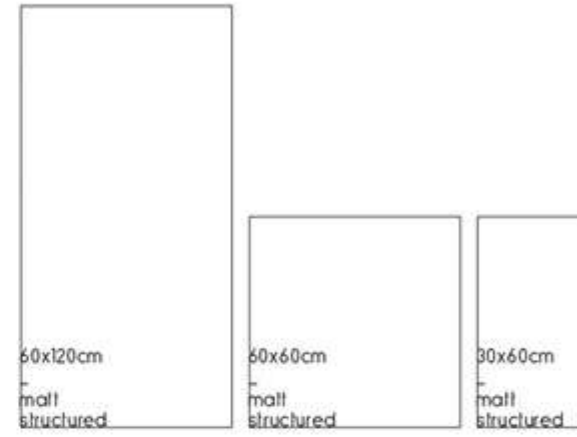
• **MUSE**  
GMU03 DUSTY  
60x60cm  
mat



# ANTIQUÉ IVORY

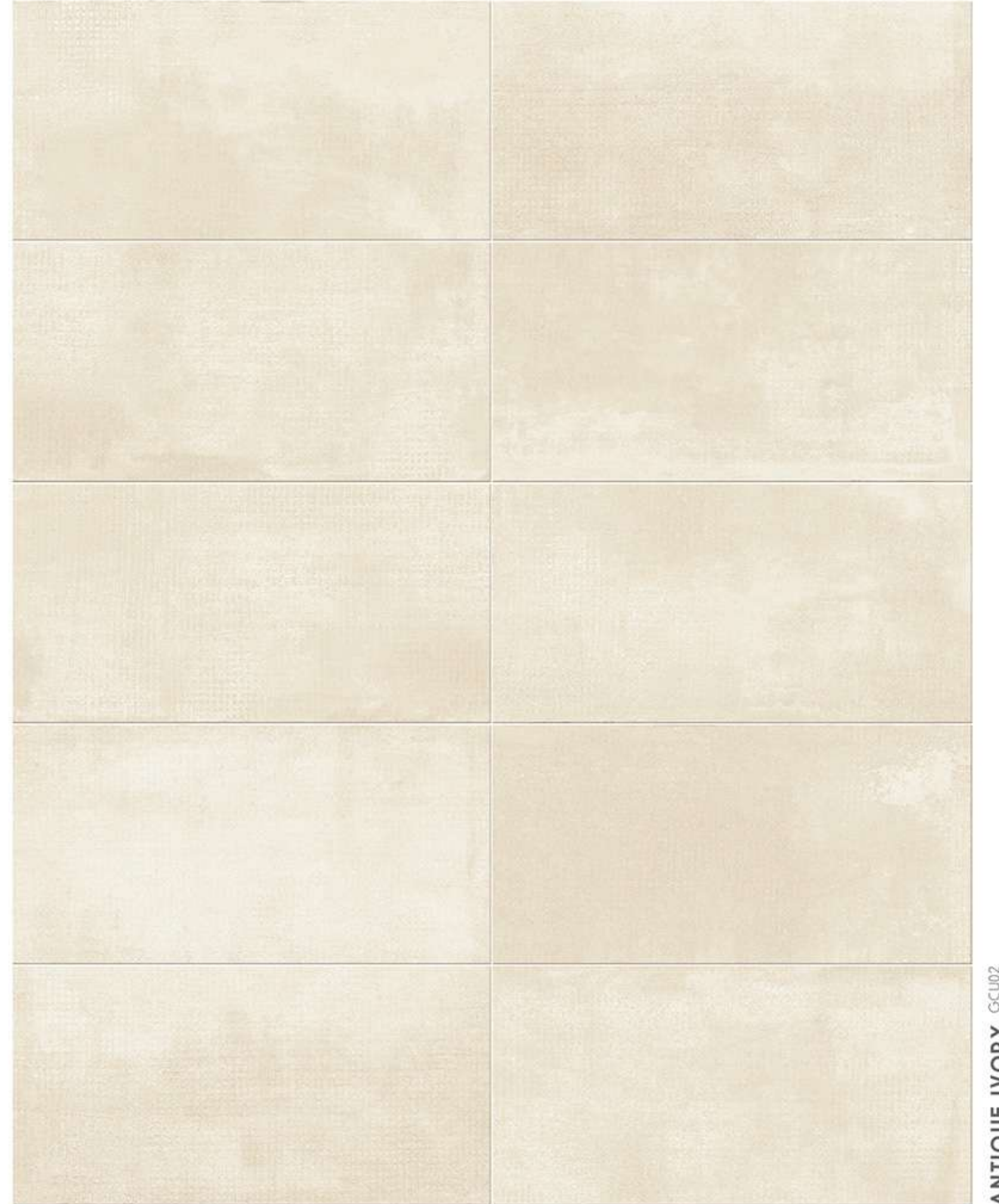
GCU02

It is generally agreed that cement can sometimes feel cold and sterile, but Antique Ivory counteracts it with a yellowish undertone that mimics the warm glow of a sunny day. Not only is it capable to compose a cosy atmosphere, it works remarkably well with other earthy, organic shades.



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ANTIQUÉ IVORY GCU02





▲ **CEMENTOUS**  
GCU02 ANTIQUE IVORY  
60x60cm structured

▶ **CEMENTOUS**  
GCU02 ANTIQUE IVORY  
60x120cm structured  
• 60x60cm mall

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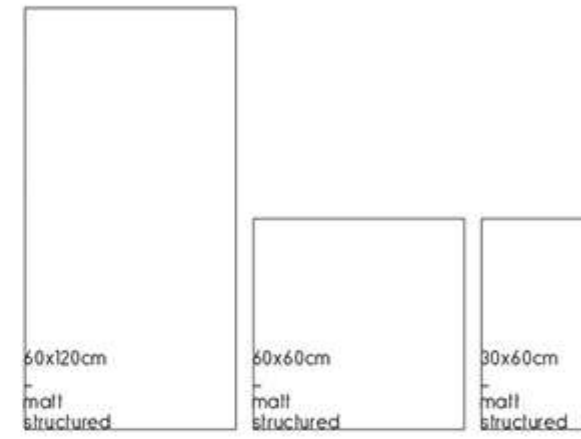




# ASH GREY

**GCU03**

If there was a popularity contest, Ash Grey would be a sure win for it carries a most authentic industrial edge that is hard to resist. In fact, its classic hue looks good with anything, even when paired with a simple, monochrome theme, Ash Grey is enough to make us squeal with design delight.



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◀ **CEMENTOUS**  
GCU03 ASH GREY  
60x120cm matt

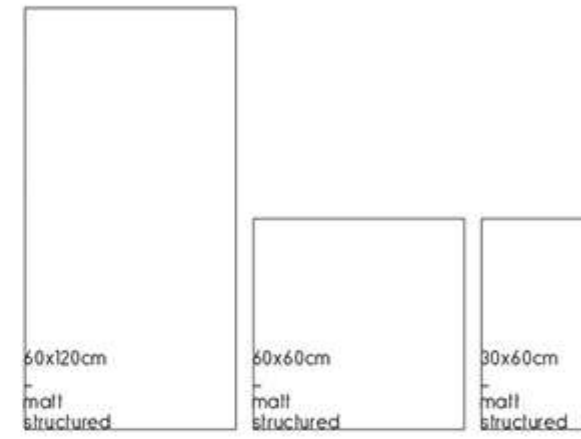
▲ **CEMENTOUS**  
GCU03 ASH GREY  
60x60cm structured  
•  
30x60cm structured



# DARK ROAST

**GCU04**

Less severe than black yet strong enough to make just the right statement, Dark Roast sports a beautiful, saturated grey. The colour captures such easy poise and introduces a unique touch on its own that it does not require much else, making for a suitable solution to ramp up the interior style dial.



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**DARK ROAST** GCU04



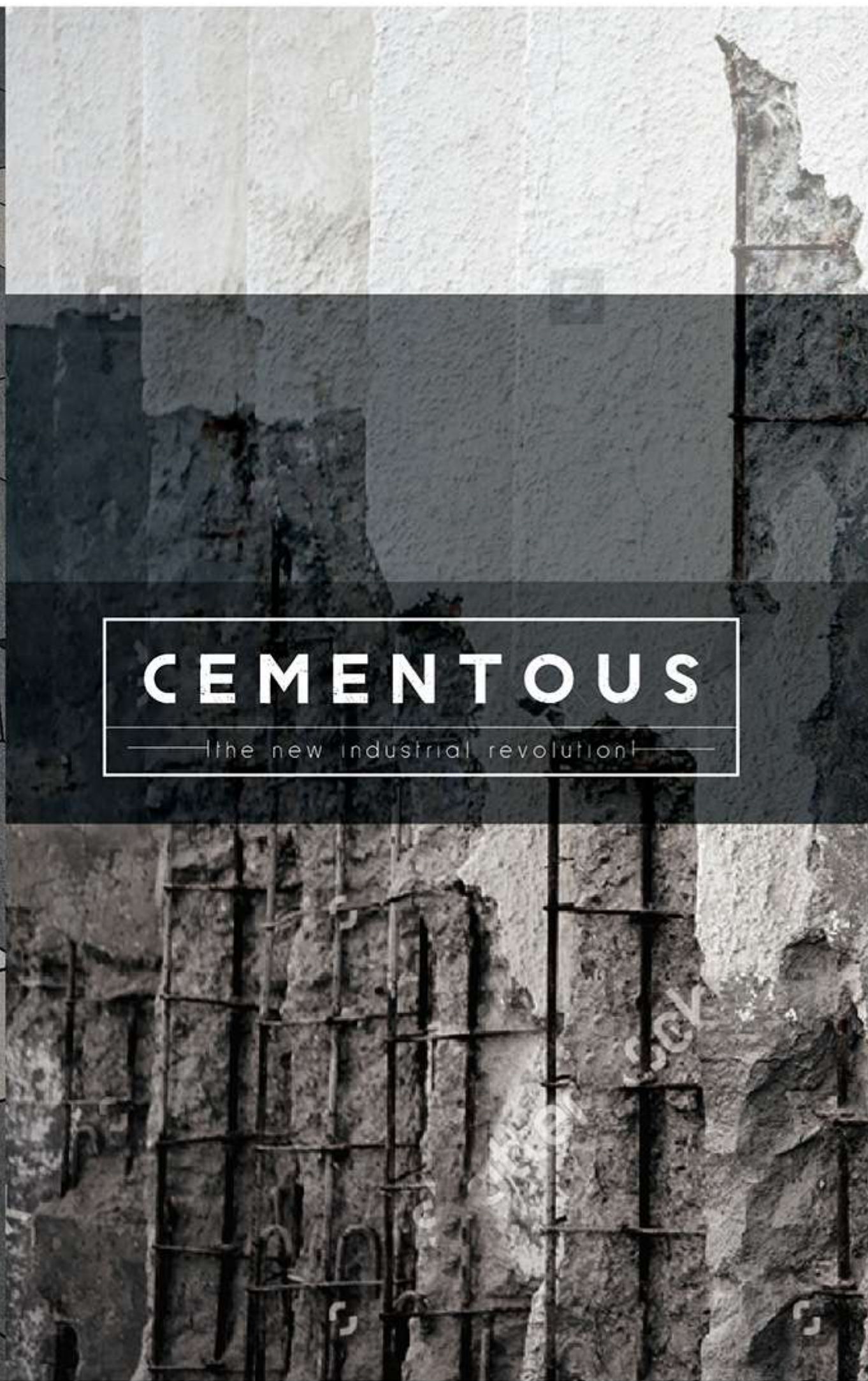


▲ **CEMENTOUS**  
GCU04 DARK ROAST  
60x120cm structured

▶ **CEMENTOUS**  
GCU04 DARK ROAST  
60x120cm mall







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# TECHNICAL SPECIFICATIONS

DESCRIPTION	STANDARD TEST	MEASUREMENT UNIT	ISO STANDARD REQUIREMENT	NIRO GRANITE
Length & Width	MS ISO 10545 -2	mm	±0.6% Max	±0.30% Max
Thickness	MS ISO 10545 -2	mm	±0.6% Max	±2.50% Max
Sides Straightness	MS ISO 10545 -2	mm	±0.6% Max	±0.25% Max
Rectangularity	MS ISO 10545 -2	mm	±0.6% Max	±0.25% Max
Flatness: a) Centre Curvature	MS ISO 10545 -2	mm	±0.6% Max	±0.25% Max
b) Edge Curvature	MS ISO 10545 -2	mm	±0.6% Max	±0.25% Max
c) Warpage	MS ISO 10545 -2	mm	±0.6% Max	±0.25% Max
Surface Quality	MS ISO 10545 -2	One Major Area of Tiles	≥ 95% free from visible defect	Comply
Water Absorption	MS ISO 10545 -3	Mass	≤0.5%	≤0.25%
Breaking Strength	MS ISO 10545 -4	N	≥ 1300 N	≥ 1300 N
Modulus of Rupture	MS ISO 10545 -4	N/mm <sup>2</sup>	≥ 35 N/mm <sup>2</sup>	≥ 35N/mm <sup>2</sup>
Abrasion Resistance				
a) Deep Abrasion for unglazed tiles	MS ISO 10545 -6	mm <sup>3</sup>	≤ 175 mm <sup>3</sup>	≤ 160 mm <sup>3</sup>
b) Surfaces Abrasion for glazed tiles	MS ISO 10545 -7	Visual Check	Manuf. to state abrasion class, cycle and passed	≥ PEI 3 (Dependent on product type)
Crazing Test (glazed tiles)	MS ISO 10545 -11	Visual Check	No Sign of Crazing	No Sign of Crazing
Frost Resistance	MS ISO 10545 -12	Visual Check	Required	No Visible Crack
Chemical Resistance				
a) Low concentrations	MS ISO 10545 -13	Visual Check	Manuf. To State	Max visible change on cut side (Dependent on Product Type)
b) Household chemicals and swimming pool salts	MS ISO 10545 -13	Visual Check	≥ Class B	Minimum Class B
Stain Resistance				
a) For unglazed tiles	MS ISO 10545 -14	Visual Check	Manuf. to State	≥ Class 3 (Dependent on product type)
b) For glazed tiles	MS ISO 10545 -14	Visual Check	≥ Class 3	≥ Class 3
Coefficient of Friction (wet and dry) (Including polished and semi-polished tiles)	AS/NZS 4586-1999 App.D	Manuf. To State	Manuf. to State	Oil / Wet Ramp ≥ R9 (Dependent on product type)

Each different tiles series are produced to meet different performance requirements. For specific product technical performance, please request from Niro Granite sales team or their agent or distributor.

Colour Variations: Since the colour reproduction in this printed piece will vary from the actual tile colours, final selection should be made from tile samples. Colour, shade and glaze variations may exist due to the inherent characteristics of porcelain tile.



Due to the low porosity of porcelain tiles, an Improved High Performance Cementitious adhesive in accordance to BS EN 12004 & ISO 13007-1 is highly recommended for proper installation. Products that meet this standard are available amongst leading adhesive manufacturers. Please seek expert advice from adhesive manufacturers for proper selection and application.

## SHADE AND TONALITIES

	<b>U1</b> UNIFORM FROM TILE TO TILE		<b>U2</b> SLIGHTLY NOTICEABLE FROM TILE TO TILE		<b>U3</b> MODERATELY NOTICEABLE FROM TILE TO TILE		<b>U4</b> DISTINCTLY NOTICEABLE FROM TILE TO TILE
	<b>U1</b> Uniform from tile to tile The range of colours and tones within the same shade is relatively uniform from tile to tile. Minimal to no difference among pieces from the same production run.		<b>U2</b> Slightly noticeable from tile to tile The range of colours and tones within the same shade is slightly noticeable from tile to tile. Clearly distinguishable differences in design or pattern with similar or slight change in colour tones.		<b>U3</b> Moderately noticeable from tile to tile The range of colours and tones within the same shade is moderately noticeable from tile to tile. Clearly distinguishable differences in design or pattern.		<b>U4</b> Distinctly noticeable from tile to tile The range of colours and tones within the same shade is distinctly different from tile to tile. Random colour differences from tile to tile, so that even the may have totally different colors from that of other tiles. Final installation can be unique.



PASSIONATE ABOUT LIFE