

# ALPHA

 **YI-LAI MARKETING SDN BHD**  
(459342-W)

**alpha**<sup>™</sup>  
TILES

 **TALOS**  
Living Tiles

## CATALOGUE

Since 1987

# TALOS



Scan the QR Code below to download  
the full product catalogue

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Alpha System  
Talos System

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Alpha Tiles

Carrara  
Botticino  
Diamond  
Shin  
Splendour

Surfaces

Polished  
Sliptech  
Matte

Size

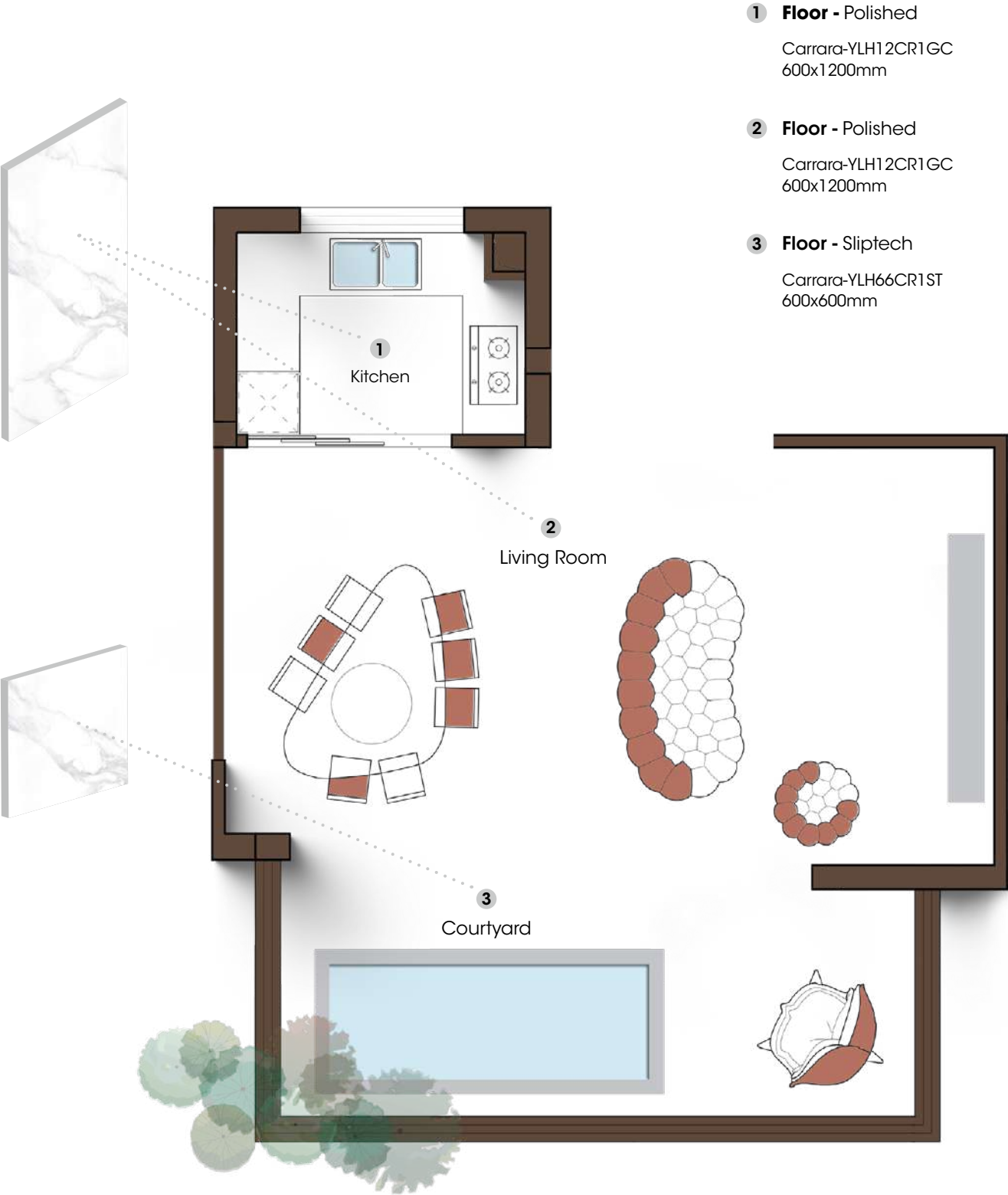
600x600mm  
600x1200mm

Alpha System

Alpha System

alpha<sup>TM</sup>  
T I L E S

With our versatile range of styles and finishes, the possibilities are endless. Mix and match different patterns, textures, and colors to create a space that reflects your unique personality and aesthetic vision. Whether you prefer understated elegance or bold statement pieces, our tiles provide a canvas for your creativity to flourish.



# Carrara

**Applicable  
Space**

Wall  
Floor  
Wet Area  
Residential  
Commercial  
Dry area

**Size**

600x600mm  
600x1200mm

**Surface**

Sliptech  
Polished

**Variation**

V3

-  
**Wall**  
Carrara YLH66CR1ST  
Splendour/Charcoal YLH66SPL0C

-  
**Floor**  
Carrara YLH66CR1ST







Floor  
Carrara YLH66CR1ST



-  
**Wall**  
**Carrara YLH66CR1ST**



-  
**Floor**  
**Carrara YLH12CR1GC**

Alpha

Carrara

Super White  
YLH12CR1GC  
6 Faces  
Polished  
V3



| Product Code. | Size.      | Faces. | Surface. |
|---------------|------------|--------|----------|
| YLH66CR1ST    | 600x600mm  | 12     | Sliptech |
| YLH66CR1GC    | 600x600mm  | 12     | Polished |
| YLH12CR1GC    | 600x1200mm | 6      | Polished |



# Botticino

**Applicable  
Space**

Wall  
Floor  
Wet Area  
Residential  
Commercial  
Dry area

**Size**

600x1200mm  
600x600mm

**Surface**

Polished  
Sliptech

**Variation**

V2



-  
**Wall**  
Botticino/Beige YLH66BTC2MC

-  
**Floor**  
Botticino/Beige YLH66BTC2MC





-  
**Wall**  
**Botticino/Dark Grey** YLH66BTC0MC

-  
**Floor**  
**Carrara/Super White** YLH66CR1ST





-  
**Wall**  
**Botticino/White** YLH12BTC1GC

-  
**Floor**  
**Botticino/White** YLH12BTC1GC



-  
**Floor**  
**Botticino/Light Grey** YLH66BTC4MC





**All Faces**  
YLH12BTC0GC

# Botticino

Alpha

| Product Code. | Size.      | Faces. | Surface. |
|---------------|------------|--------|----------|
| YLH12BTC0GC   | 600x600mm  | 12     | Sliptech |
| YLH12BTC1GC   | 600x1200mm | 6      | Polished |
| YLH12BTC2GC   |            |        |          |
| YLH12BTC4GC   |            |        |          |

|                                                                                                                                     |  |
|-------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Dark Grey</b><br>YLH12BTC0GC<br>6 Faces<br>Polished<br>V2<br><br>YLH66BTC0GC&YLH66BTC0MC<br>12 Faces<br>Polished&Sliptech<br>V2  |  |
| <b>White</b><br>YLH12BTC1GC<br>6 Faces<br>Polished<br>V2<br><br>YLH66BTC1GC&YLH66BTC1MC<br>12 Faces<br>Polished&Sliptech<br>V2      |  |
| <b>Beige</b><br>YLH12BTC2GC<br>6 Faces<br>Polished<br>V2<br><br>YLH66BTC2GC&YLH66BTC2MC<br>12 Faces<br>Polished&Sliptech<br>V2      |  |
| <b>Light Grey</b><br>YLH12BTC4GC<br>6 Faces<br>Polished<br>V2<br><br>YLH66BTC4GC&YLH66BTC4MC<br>12 Faces<br>Polished&Sliptech<br>V2 |  |



# Shin

**Applicable  
Space**

Wall  
Floor  
Wet Area  
Residential  
Commercial  
Dry area

**Size**

600x1200mm

**Surface**

Sliptech

**Variation**

V3

-  
**Floor**  
**Shin/Beige** YLH12SHNOC







-  
Wall  
Shin/Beige YLH12SHNOC  
Splendour/White YLH66SPL1C

-  
Floor  
Shin/Beige YLH12SHNOC





-  
**Wall**  
**Shin/Beige YLH12SHN0C**

-  
**Floor**  
**Shin/Beige YLH12SHN0C**





Alpha

Shin

**Beige**  
YLH12SHN0C  
4 Faces  
Sliptech  
V3



| Product Code. | Size.      | Faces. | Surface. |
|---------------|------------|--------|----------|
| YLH12SHN0C    | 600x1200mm | 4      | Sliptech |



# Diamond

**Applicable  
Space**

Wall  
Floor  
Wet Area  
Residential  
Commercial  
Dry area

**Size**

600x1200mm

**Surface**

Polished

**Variation**

V2

Floor  
Diamond/Black YLH12DM0GC







-  
**Floor**  
**Diamond/Black YLH12DM0GC**





Wall  
Botticino/Beige YLH12BTC2GC  
Diamond/Light Grey YLH12DM4GC

Floor  
Diamond/Light Grey YLH12DM4GC





**All Faces**  
YLH12DM0GC

**Black**  
YLH12DM0GC  
6 Faces  
Polished  
V2



**Light Grey**  
YLH12DM4GC  
6 Faces  
Polished  
V2



# Diamond

Alpha

| Product Code. | Size.      | Faces. | Surface. |
|---------------|------------|--------|----------|
| YLH12DM0GC    | 600x1200mm | 6      | Polished |
| YLH12DM4GC    |            | 6      |          |



# Splendour

**Applicable  
Space**

Wall  
Floor  
Wet Area  
Residential  
Commercial  
Dry area

**Size**

600x600mm

**Surface**

Matte

**Variation**

V2



Floor  
Splendour/Grey YLH66SPL4C



-  
Wall  
Splendour/Charcoal YLH66SPL0C  
Splendour/Beige YLH66SPL2C

-  
Floor  
Splendour/Beige YLH66SPL2C







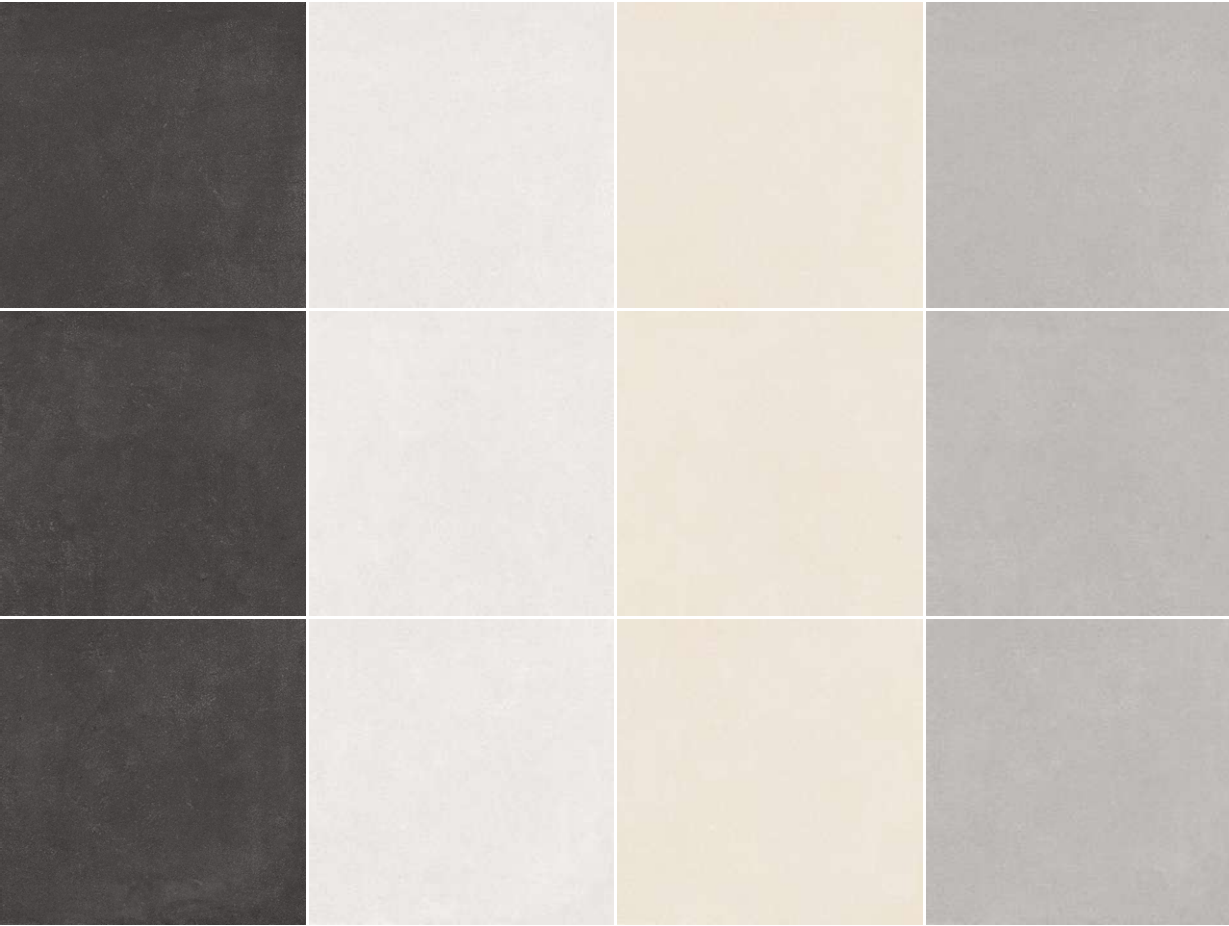
Floor  
Splendour/White YLH66SPL1C





Floor  
Splendour/Beige YLH66SPL2C





All Faces  
YLH66SPL0C

All Faces  
YLH66SPL1C

All Faces  
YLH66SPL2C

All Faces  
YLH66SPL4C

# Splendour

Alpha

| Product Code.                                        | Size.     | Faces. | Surface. |
|------------------------------------------------------|-----------|--------|----------|
| YLH66SPL0C<br>YLH66SPL1C<br>YLH66SPL2C<br>YLH66SPL4C | 600x600mm | 3      | Matte    |

Charcoal

YLH66SPL0C

3 Faces

Matte

V2

White

YLH66SPL1C

3 Faces

Matte

V2

Beige

YLH66SPL2C

3 Faces

Matte

V2

Grey

YLH66SPL4C

3 Faces

Matte

V2



Talos Tiles

Ankara  
Evolve  
Takara  
Atlas  
Caesar

Surfaces

Matte  
( 3D technology )

Size

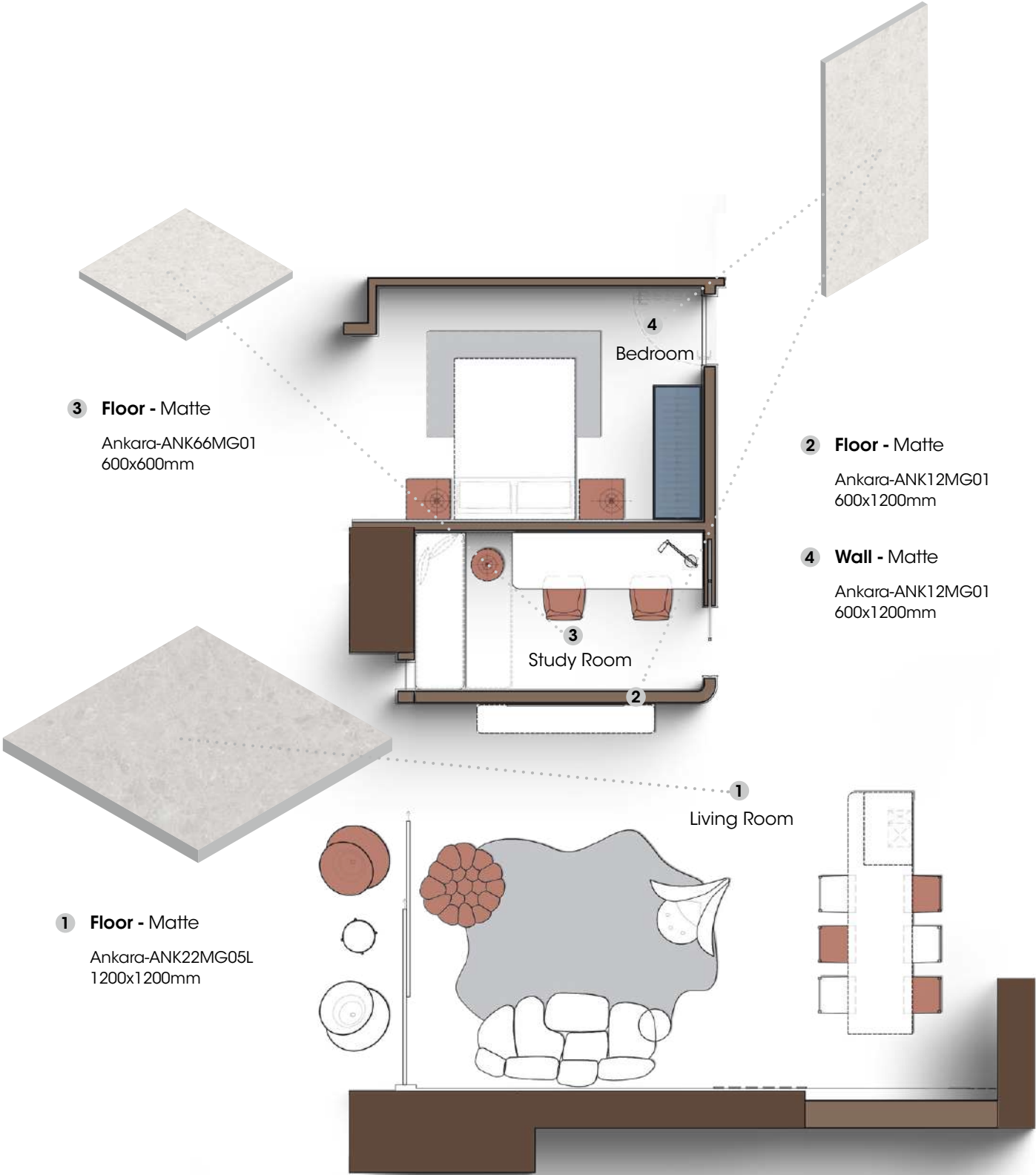
600x600mm  
600x1200mm  
1200x1200mm

Talos System

Talos System



3D Technology is here to revolutionize your space. Imagine walls and floors that transcend the ordinary, boasting stunning 3D textures and unparalleled design possibilities.





# Ankara

**Applicable  
Space**

Wall  
Floor  
Wet Area  
Residential  
Commercial  
Dry area

**Size**

600x600mm  
600x1200mm  
1200x1200mm

**Surface**

Matte  
3D Technology

**Variation**

V3

-  
**Floor**  
**Ankara/White** ANK22MG05L





Floor

Ankara/Dark Olive ANK22G05D







Floor  
Ankara/Dark Olive ANK22G05D





**All Faces**  
ANK12MG04

# Ankara

Talos

| Product Code. | Size.       | Faces. | Surface.      |
|---------------|-------------|--------|---------------|
| ANK66MG01     | 600x600mm   | 12     | Matte         |
| ANK12MG01     | 600x1200mm  | 6      | 3D Technology |
| ANK66MG04     | 1200x1200mm | 6      |               |
| ANK12MG04     |             |        |               |
| ANK22MG05L    |             |        |               |
| ANK22MG05D    |             |        |               |

**White**  
ANK12MG01  
6 Faces  
Matte + 3D Technology  
V3

**Grey**  
ANK12MG04  
6 Faces  
Matte + 3D Technology  
V3

**Dark Olive**  
ANK22MG05D  
6 Faces  
Matte + 3D Technology  
V3

**Light Olive**  
ANK22MG05L  
6 Faces  
Matte + 3D Technology  
V3



Applicable  
Space

Wall  
Floor  
Wet Area  
Residential  
Commercial  
Dry area

Size

600x600mm

Surface

Matte  
3D Technology

Variation

V2



Floor  
Evolve/White EVO66MG01





-  
**Wall**  
 Evolve/White EVO66MG01

-  
**Floor**  
 Evolve/White EVO66MG01



-  
**Floor**  
 Evolve/Charcoal EVO66MG00





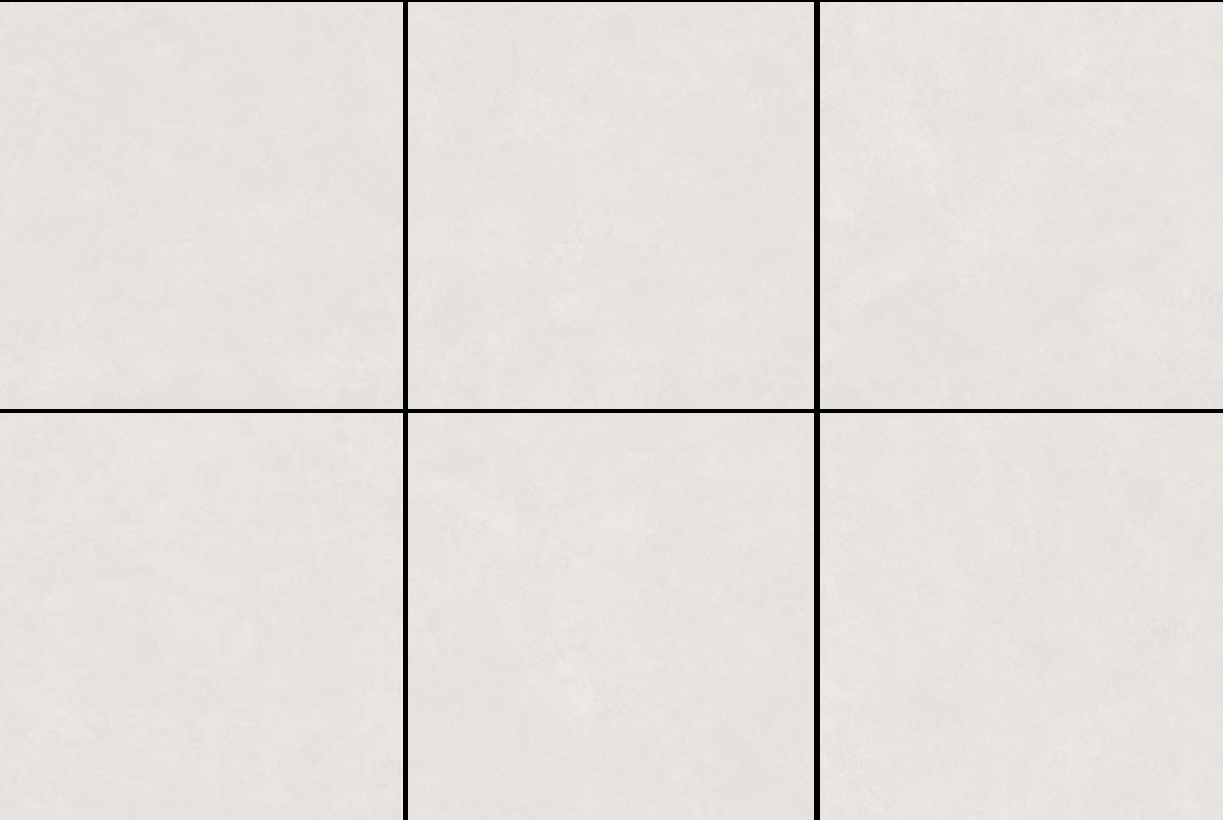
Wall  
Evolve/Grey EVO66MG04

Floor  
Evolve/Grey EVO66MG04

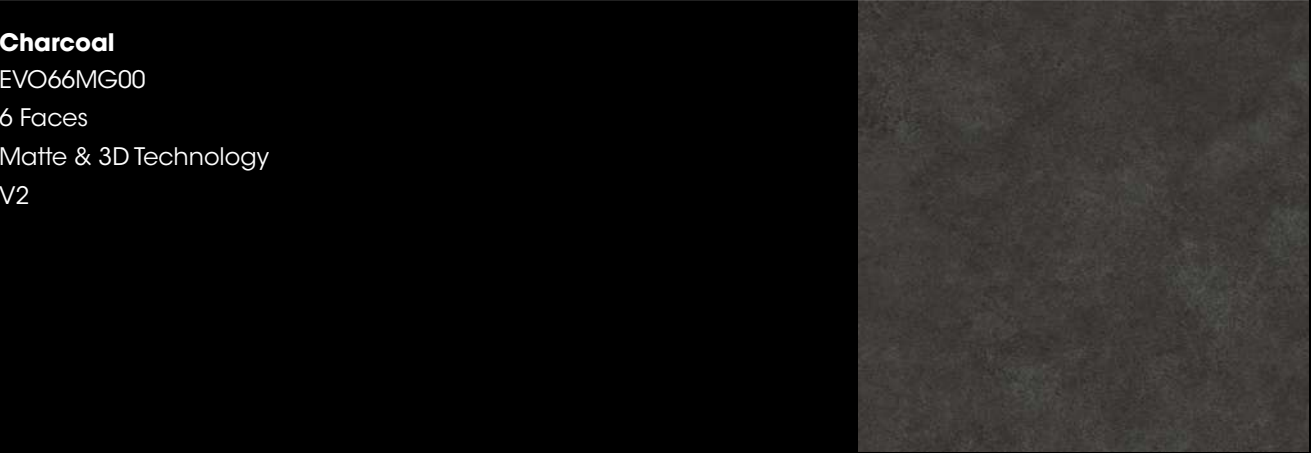
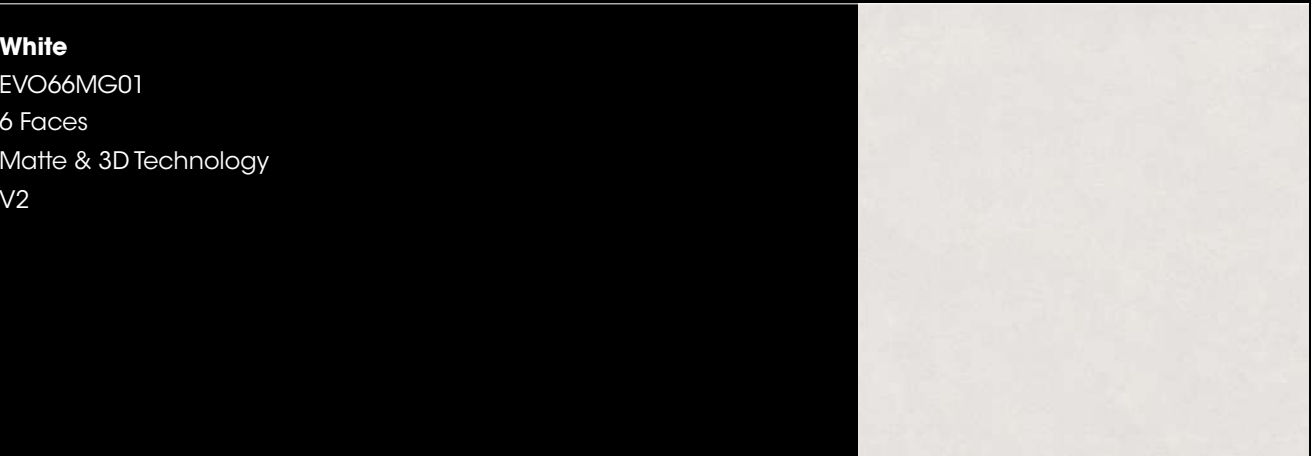


Floor  
Evolve/Charcoal EVO66MG00





**All Faces**  
EVO66MG01



# Evolve

Talos

| Product Code.                       | Size.     | Faces. | Surface.               |
|-------------------------------------|-----------|--------|------------------------|
| EVO66MG00<br>EVO66MG01<br>EVO66MG04 | 600x600mm | 6      | Matte<br>3D Technology |



# Atlas

**Applicable  
Space**

Wall  
Floor  
Wet Area  
Residential  
Commercial  
Dry area

**Size**

600x600mm  
600x1200mm

**Surface**

Matte  
3D Technology

**Variation**

V2



Floor  
Atlas/Grey ALT66MG04





Floor  
Atlas/Charcoal ALT66MG00





Floor  
Atlas/White ALT12MG01





**All Faces**  
ALT12MG04

**White**  
ALT12MG01  
8 Faces  
Matte & 3D Technology  
V2

**Grey**  
ALT12MG04  
8 Faces  
Matte & 3D Technology  
V2

**Charcoal**  
ALT12MG00  
8 Faces  
Matte & 3D Technology  
V2

# Atlas

Talos

| Product Code. | Size.      | Faces. | Surface.      |
|---------------|------------|--------|---------------|
| ATL66MG00     | 600x600mm  | 16     | Matte         |
| ATL12MG00     | 600x1200mm | 8      | 3D Technology |
| ATL66MG01     |            |        |               |
| ATL12MG01     |            |        |               |
| ATL66MG04     |            |        |               |
| ATL12MG04     |            |        |               |



Applicable  
Space

Wall  
Floor  
Wet Area  
Residential  
Commercial  
Dry area

Size

600x600mm  
600x1200mm  
1200x1200mm

Surface

Matte  
3D Technology

Variation

V3

-  
Floor  
Caesar/White CAE12MG01







Floor  
Caesar/Grey CAE12MG04





Floor  
Caesar/Charcoal CAE22MG00





**All Faces**  
CAE12MG01

Caesar

Talos

| Product Code. | Size.       | Faces. | Surface.      |
|---------------|-------------|--------|---------------|
| CAE66MG00     | 600x600mm   | 18     | Matte         |
| CAE12MG00     | 600x1200mm  | 9      | 3D Technology |
| CAE22MG00     | 1200x1200mm | 12     |               |
| CAE66MG01     |             |        |               |
| CAE12MG01     |             |        |               |
| CAE22MG01     |             |        |               |
| CAE66MG04     |             |        |               |
| CAE12MG04     |             |        |               |

**Charcoal**  
CAE12MG00  
9 Faces  
Matte & 3D Technology  
V3



**White**  
CAE12MG01  
9 Faces  
Matte & 3D Technology  
V3



**Grey**  
CAE12MG04  
9 Faces  
Matte & 3D Technology  
V3





Applicable  
Space

Wall  
Floor  
Wet Area  
Residential  
Commercial  
Dry area

Size

1200x1200mm

Surface

Matte  
3D Technology

Variation

V2

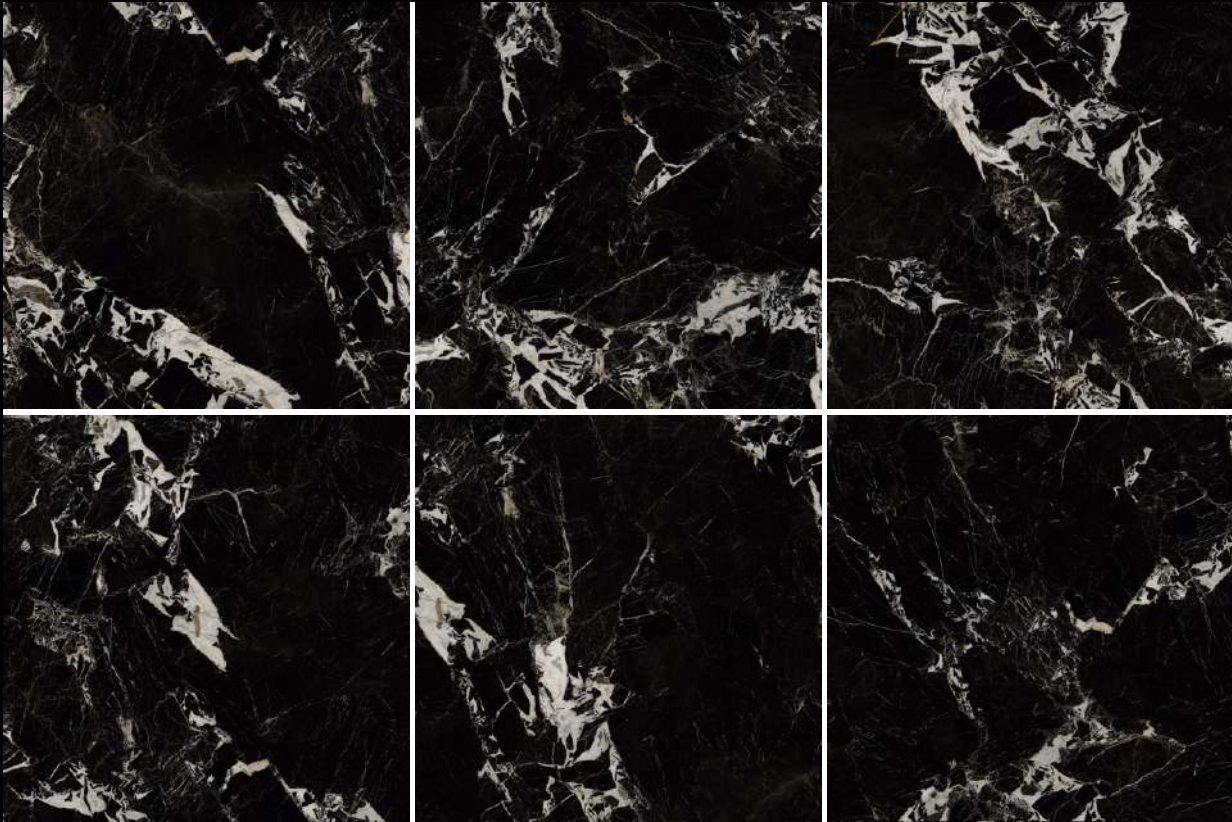
Floor  
Takara/Charcoal TKR22MG00





Floor  
Takara/Charcoal TKR22MG00





**All Faces**  
TKR22MG00

Takara

Talos

| Product Code. | Size.       | Faces. | Surface.               |
|---------------|-------------|--------|------------------------|
| TKR22MG00     | 1200x1200mm | 6      | Matte<br>3D Technology |

**Charcoal**  
TKR22MG00  
6 Faces  
Matte & 3D Technology  
V2





Packing Specification

| ALPHA<br>INSPIRING TRANSFORMATIONS             |        |            |          |         |            |          |           |         |          |                  |
|------------------------------------------------|--------|------------|----------|---------|------------|----------|-----------|---------|----------|------------------|
| Dimension                                      | Carton |            |          | Pallet  |            |          | Container |         |          |                  |
|                                                | Pieces | Weight(kg) | Sq.Meter | Cartons | Weight(kg) | Sq.Meter | Cartons   | Pallets | Sq.Meter | Gross Weight(kg) |
| 600x600x9.5mm B1a (Homogeneous) rectified      | 4      | 32.0       | 1.44     | 40      | 1305       | 57.60    | 640       | 16      | 921.60   | 20880            |
| 600x600x9.5mm B1a (Porcelain) rectified        | 4      | 32.0       | 1.44     | 40      | 1305       | 57.60    | 640       | 16      | 921.60   | 20880            |
| 600x600x8.5mm B1a (Porcelain) rectified        | 4      |            | 1.44     | 40      |            | 57.60    | 640       | 16      | 921.60   |                  |
| 600x600x7.8mm B1a (Polish Porcelain) rectified | 4      | 31.0       | 1.44     | 40      | 1265       | 57.60    | 640       | 16      | 921.60   | 20240            |
| 600x600x9.0mm B1a (Homogeneous) rectified      | 4      | 29.3       | 1.44     | 40      | 1197       | 57.60    | 720       | 18      | 1036.80  | 21546            |
| 600x600x9.0mm B1a (Porcelain) rectified        | 4      | 29.3       | 1.44     | 40      | 1197       | 57.60    | 720       | 18      | 1036.80  | 21546            |
| 600x600x8.5mm B1a (Porcelain) rectified        | 4      |            | 1.44     | 40      | 1197       | 57.60    | 720       | 18      | 1036.80  |                  |
| 600x600x8.2mm B1a (PE) rectified               | 4      | 24.7       | 1.44     | 60      | 1507       | 86.40    | 720       | 12      | 1036.80  | 18084            |
| 600x600x8.2mm B1a (PE) non-rectified           | 4      | 24.7       | 1.44     | 60      | 1507       | 86.40    | 720       | 12      | 1036.80  | 20880            |
| 600x600x7.8mm B1a (PL) non-rectified           | 4      | 32.5       | 1.80     | 60      | 1915       | 108.00   | 720       | 12      | 1296.00  | 22980            |
| 600x600x7.5mm B1a (Homogeneous) non-rectified  | 4      | 25.4       | 1.44     | 72      | 1854       | 103.68   | 792       | 11      | 1140.48  | 20394            |
| 600x600x7.5mm B1a (PE) non-rectified           | 4      | 25.6       | 1.53     | 72      | 1868       | 110.16   | 792       | 11      | 1211.76  | 20550            |

- Remarks :**
- The “kg/pallet” is included 25kg pallet weight | B1a = <0.5% water absorption | B1b = >0.5 to <3 % water absorption
- Slight variation in size and shade are inherent in manufacture of tiles.Tiles are packed into cartons marked in accordance with relevant manufacturing standard and information. It is recommended that before laying, several cartons be opened and paved in trial. A tiling gap of at least 2.5 - 3.0mm for wall and 3.0 - 5.0mm for floor is recommended for installation.
  - Each different tile series is produced to meet different requirements. For specific product technical performance, please required it from our marketing/ customer service team.
  - Due to the printing process, the colours of actual products may differ from samples.

Shade&Tone Variations

**V1**  
Shade&  
Tone Variations

**V2**  
Slight  
Variation

**V3**  
Medium  
Variation

**V4**  
Strong  
Variation

Application

**Wall**

**Floor**

**Indoors**

**Outdoors**

**Residential**

**Commercial**

**Wet Area**

**Dry Area**

| TALOS<br>Living Tiles |        |            |          |         |            |          |           |         |          |                  |
|-----------------------|--------|------------|----------|---------|------------|----------|-----------|---------|----------|------------------|
| Series Name           | Carton |            |          | Pallet  |            |          | Container |         |          |                  |
|                       | Pieces | Weight(kg) | Sq.Meter | Cartons | Weight(kg) | Sq.Meter | Cartons   | Pallets | Sq.Meter | Gross Weight(kg) |
| Ankara                | 4      | 30         | 1.44     | 40      | 1200       | 57.6     | 880       | 22      | 1267.2   | 26400            |
| 600x600mm             | 4      | 30         | 1.44     | 40      | 1200       | 57.6     | 880       | 22      | 1267.2   | 26400            |
| 600x1200mm            | 2      | 32.5       | 1.44     | 30      | 975        | 43.2     | 810       | 27      | 1166.4   | 26325            |
| 1200x1200mm           | 2      | 63         | 2.88     | 40      | 2520       | 115.2    | 400       | 10      | 1152     | 25200            |

| Series Name | Carton |            |          | Pallet  |            |          | Container |         |          |                  |
|-------------|--------|------------|----------|---------|------------|----------|-----------|---------|----------|------------------|
|             | Pieces | Weight(kg) | Sq.Meter | Cartons | Weight(kg) | Sq.Meter | Cartons   | Pallets | Sq.Meter | Gross Weight(kg) |
| Caesar      | 4      | 30         | 1.44     | 40      | 1200       | 57.6     | 880       | 22      | 1267.2   | 26400            |
| 600x600mm   | 4      | 30         | 1.44     | 40      | 1200       | 57.6     | 880       | 22      | 1267.2   | 26400            |
| 600x1200mm  | 2      | 32.5       | 1.44     | 30      | 975        | 43.2     | 810       | 27      | 1166.4   | 26325            |
| 1200x1200mm | 2      | 63         | 2.88     | 40      | 2520       | 115.2    | 400       | 10      | 1152     | 25200            |

| Series Name | Carton |            |          | Pallet  |            |          | Container |         |          |                  |
|-------------|--------|------------|----------|---------|------------|----------|-----------|---------|----------|------------------|
|             | Pieces | Weight(kg) | Sq.Meter | Cartons | Weight(kg) | Sq.Meter | Cartons   | Pallets | Sq.Meter | Gross Weight(kg) |
| Atlas       | 4      | 30         | 1.44     | 40      | 1200       | 57.6     | 880       | 22      | 1267.2   | 26400            |
| 600x600mm   | 4      | 30         | 1.44     | 40      | 1200       | 57.6     | 880       | 22      | 1267.2   | 26400            |
| 600x1200mm  | 2      | 32.5       | 1.44     | 30      | 975        | 43.2     | 810       | 27      | 1166.4   | 26325            |

| Series Name | Carton |            |          | Pallet  |            |          | Container |         |          |                  |
|-------------|--------|------------|----------|---------|------------|----------|-----------|---------|----------|------------------|
|             | Pieces | Weight(kg) | Sq.Meter | Cartons | Weight(kg) | Sq.Meter | Cartons   | Pallets | Sq.Meter | Gross Weight(kg) |
| Evolve      | 4      | 31         | 1.44     | 40      | 1240       | 57.6     | 880       | 22      | 1267.2   | 27280            |
| 600x600mm   | 4      | 31         | 1.44     | 40      | 1240       | 57.6     | 880       | 22      | 1267.2   | 27280            |

| Series Name | Carton |            |          | Pallet  |            |          | Container |         |          |                  |
|-------------|--------|------------|----------|---------|------------|----------|-----------|---------|----------|------------------|
|             | Pieces | Weight(kg) | Sq.Meter | Cartons | Weight(kg) | Sq.Meter | Cartons   | Pallets | Sq.Meter | Gross Weight(kg) |
| Takara      | 2      | 62         | 2.88     | 40      | 2480       | 115.2    | 320       | 8       | 921.6    | 19840            |
| 1200x1200mm | 2      | 62         | 2.88     | 40      | 2480       | 115.2    | 320       | 8       | 921.6    | 19840            |



# Technical Specification

For Alpha Homogeneous, Porcelain, PE and Glazed Ceramic Floor Tiles

| Symbol                                                                              | Test                                                    | Standard         | Specification     |                     |                     |
|-------------------------------------------------------------------------------------|---------------------------------------------------------|------------------|-------------------|---------------------|---------------------|
|                                                                                     |                                                         |                  | Porcelain Tile    | Homogeneous Tiles   | Porcelain Tiles     |
|    | Water Absorption (%)                                    | MSISO 13006:2020 | 0.5%<E≤3 %        | E≤0.5 %             | E≤0.5 %             |
|                                                                                     |                                                         | YLS              | 0.5%<E≤3 %        | E≤0.1 %             | E≤0.3 %             |
|    | Dimension : Length & Width<br>(for non-rectified tiles) | MSISO 13006:2020 | ±0.60%(max±2.0mm) | ±0.60% (max ±2.0mm) | ±0.60% (max ±2.0mm) |
|                                                                                     |                                                         | YLS              | ±0.50%(max±2.0mm) | ±0.50% (max ±2.0mm) | ±0.50% (max ±2.0mm) |
|                                                                                     | Dimension :Length & Width<br>(for rectified tiles)      | MSISO 13006:2020 | ±0.30%(max±2.0mm) | ±0.30% (max ±1.0mm) | ±0.30% (max ±1.0mm) |
|                                                                                     |                                                         | YLS              | ±0.25%(max±2.0mm) | ±0.25% (max ±1.0mm) | ±0.25% (max ±1.0mm) |
|    | Thickness                                               | MSISO 13006:2020 | ±0.50%(max±0.5mm) | ±5.0% (max ±0.5mm)  | ±5.0% (max ±0.5mm)  |
|                                                                                     |                                                         | YLS              | ±0.40%(max±0.5mm) | ±4.0% (max ±0.5mm)  | ±4.0% (max ±0.5mm)  |
|    | Straightness OfSide (mm)<br>for non-rectified tiles     | MSISO 13006:2020 | ±0.50%(max±1.5mm) | ±0.50% (max ±1.5mm) | ±0.50% (max ±1.5mm) |
|                                                                                     |                                                         | YLS              | ±0.50%(max±1.5mm) | ±0.50% (max ±1.5mm) | ±0.50% (max ±1.5mm) |
|                                                                                     | Straightness OfSide (mm)<br>for non-rectified tiles     | MSISO 13006:2020 | ±0.30%(max±0.8mm) | ±5.0% (max ±0.8mm)  | ±0.30% (max ±0.8mm) |
|                                                                                     |                                                         | YLS              | ±0.40%(max±0.8mm) | ±4.0% (max ±0.8mm)  | ±0.30% (max ±0.8mm) |
|  | a) Centre Curvature for<br>non-rectified tiles          | MSISO 13006:2020 | ±0.50%(max±2.0mm) | ±0.50% (max ±2.0mm) | ±0.50% (max ±2.0mm) |
|                                                                                     |                                                         | YLS              | ±0.50%(max±2.0mm) | ±0.50% (max ±2.0mm) | ±0.50% (max ±2.0mm) |
|                                                                                     | a) Centre Curvature for<br>rectified tiles              | MSISO 13006:2020 | ±0.40%(max±1.8mm) | ±0.40% (max ±1.8mm) | ±0.40% (max ±1.8mm) |
|                                                                                     |                                                         | YLS              | ±0.40%(max±1.8mm) | ±0.40% (max ±1.8mm) | ±0.40% (max ±1.8mm) |
|                                                                                     | b) Edge Curvature for<br>non-rectified tiles            | MSISO 13006:2020 | ±0.50%(max±2.0mm) | ±0.50% (max ±2.0mm) | ±0.50% (max ±2.0mm) |
|                                                                                     |                                                         | YLS              | ±0.50%(max±2.0mm) | ±0.50% (max ±2.0mm) | ±0.50% (max ±2.0mm) |
|                                                                                     | b) Edge Curvature for<br>rectified tiles                | MSISO 13006:2020 | ±0.50%(max±2.0mm) | ±0.50% (max ±2.0mm) | ±0.50% (max ±2.0mm) |
|                                                                                     |                                                         | YLS              | ±0.50%(max±2.0mm) | ±0.50% (max ±2.0mm) | ±0.50% (max ±2.0mm) |
|                                                                                     | c) Warpage for<br>non-rectified tiles                   | MSISO 13006:2020 | ±0.50%(max±2.0mm) | ±0.50% (max ±2.0mm) | ±0.50% (max ±2.0mm) |
|                                                                                     |                                                         | YLS              | ±0.50%(max±2.0mm) | ±0.50% (max ±2.0mm) | ±0.50% (max ±2.0mm) |
|                                                                                     | c) Warpage for<br>rectified tiles                       | MSISO 13006:2020 | ±0.40%(max±1.8mm) | ±0.40% (max ±1.8mm) | ±0.40% (max ±1.8mm) |
|                                                                                     |                                                         | YLS              | ±0.40%(max±1.8mm) | ±0.40% (max ±1.8mm) | ±0.40% (max ±1.8mm) |

| Symbol                                                                                | Test                              | Standard         | Specification            |                          |                          |
|---------------------------------------------------------------------------------------|-----------------------------------|------------------|--------------------------|--------------------------|--------------------------|
|                                                                                       |                                   |                  | Porcelain Tile           | Homogeneous Tiles        | Porcelain Tiles          |
|    | Surface Quality*                  | MSISO 13006:2020 | 95%                      | 95%                      | 95%                      |
|                                                                                       |                                   | YLS              | 95%                      | 95%                      | 95%                      |
|    | Modulus Of Rupture                | MSISO 13006:2020 | Min 30 N/mm <sup>2</sup> | Min 35 N/mm <sup>2</sup> | Min 35 N/mm <sup>2</sup> |
|                                                                                       |                                   | YLS              | Min 30 N/mm <sup>2</sup> | Min 35 N/mm <sup>2</sup> | Min 35 N/mm <sup>2</sup> |
|    | Scratch<br>(Moh's Hardness Scale) | MSISO 13006:2020 | -                        | -                        | -                        |
|                                                                                       |                                   | YLS              | Min 6                    | Min 6                    | Min 6                    |
|    | Abrasion Resistance (PEI)         | MSISO 13006:2020 | Class I~V                | Class I~V                | Class I~V                |
|                                                                                       |                                   | YLS              | Min Class III            | Min Class III            | Min Class III            |
|   | Chemical Resistance To            |                  |                          |                          |                          |
|                                                                                       | a) Acid                           | MSISO 13006:2020 | GLA~GLC                  | GLA~GLC                  | GLA~GLC                  |
|                                                                                       |                                   | YLS              | Comply                   | Comply                   | Comply                   |
|                                                                                       | b) Alkaline                       | MSISO 13006:2020 | GLA~GLC                  | GLA~GLC                  | GLA~GLC                  |
|                                                                                       |                                   | YLS              | Comply                   | Comply                   | Comply                   |
|  | Chemical Resistance To Stain      | MSISO 13006:2020 | Min Class 3              | Min Class 3              | Min Class 3              |
|                                                                                       |                                   | YLS              | Min Class 3              | Min Class 3              | Min Class 3              |
|  | Crazing Test                      | MSISO 13006:2020 | No Crazing               | No Crazing               | No Crazing               |
|                                                                                       |                                   | YLS              | Min No Crazing 3         | No Crazing(3 times)      | No Crazing(3 times)      |

\* **Free from visible defect**