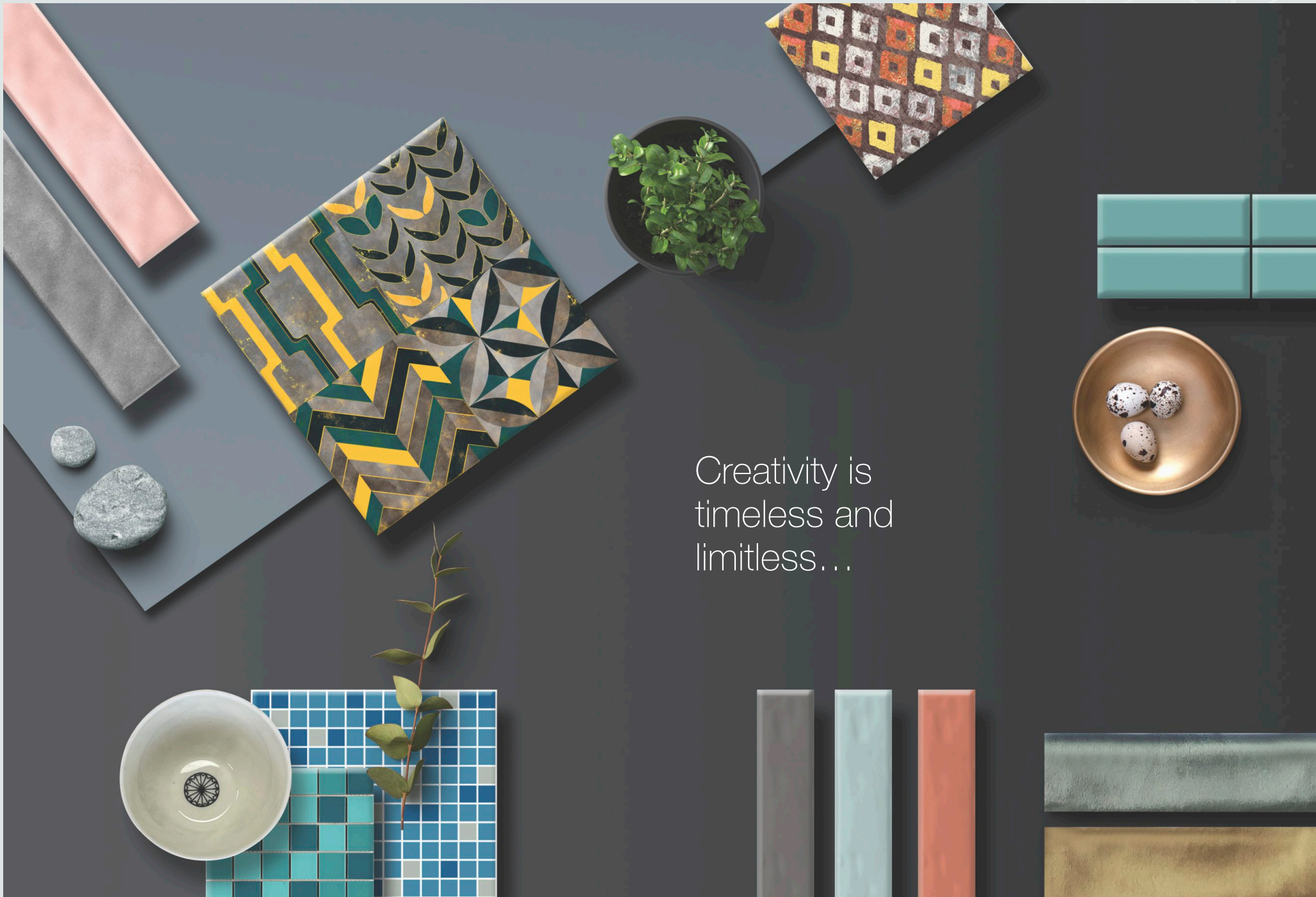




Marketed by **SOMANY**  
[www.italmarmitiles.in](http://www.italmarmitiles.in)



LUXURY MOSAICS, GLASS AND  
CERAMIC TILES FOR EVERY SPACE



Creativity is  
timeless and  
limitless...



Rivestimento Di  
**Artistico**

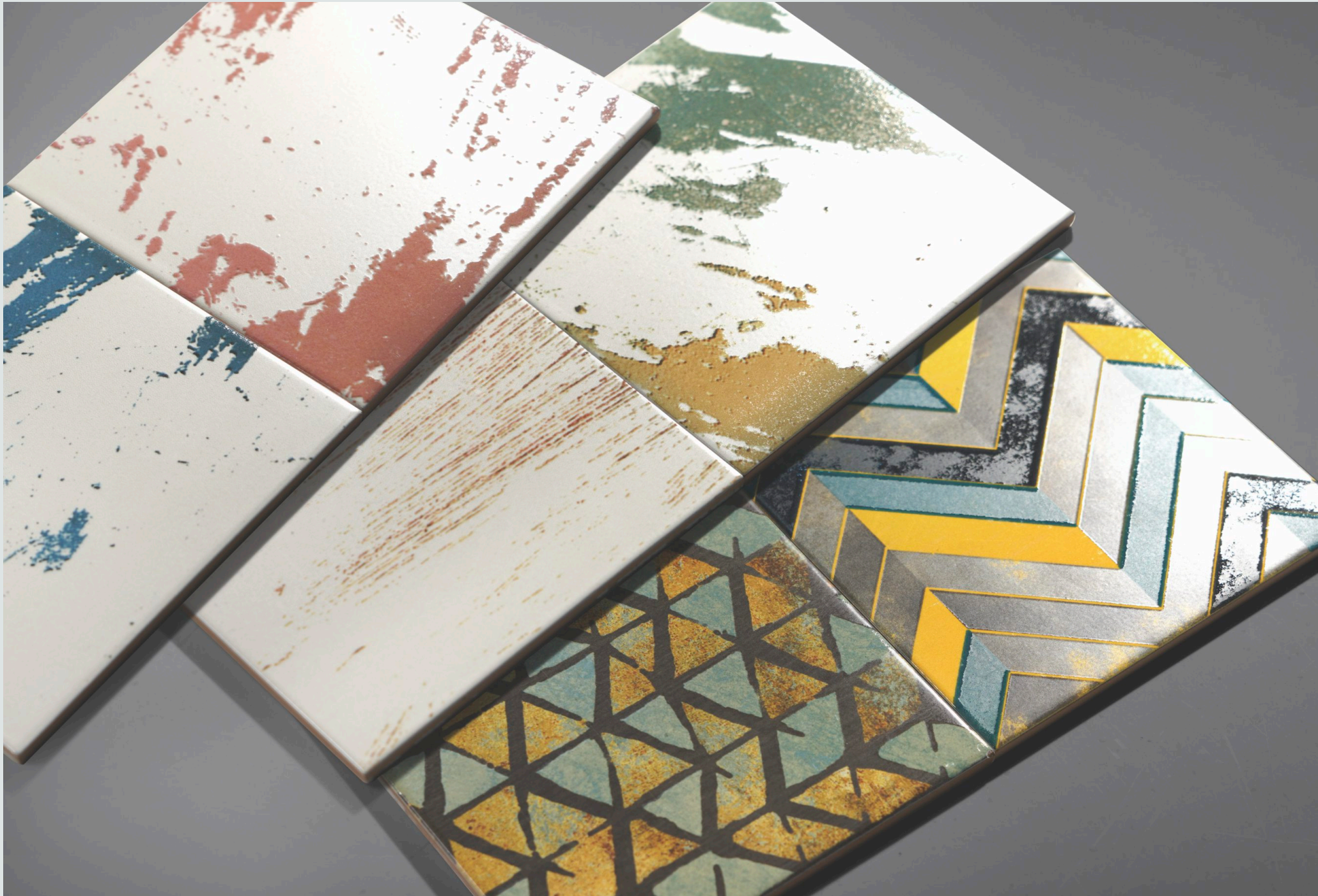
Rivestimento Di  
**Modellato**

Serie Di  
**MOSAICI**

Scultura Di  
**PARETE**

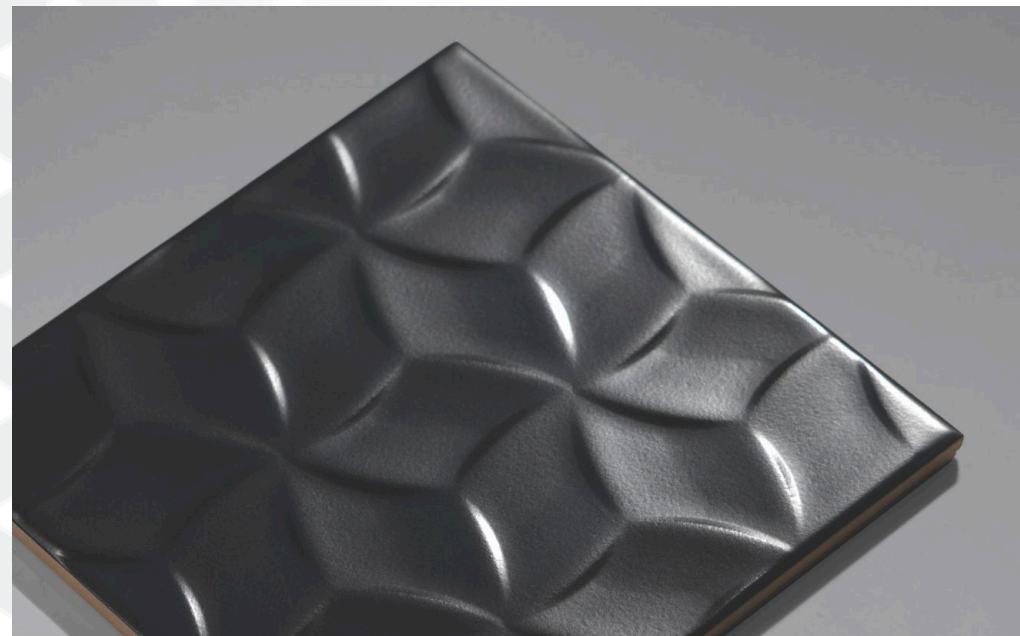
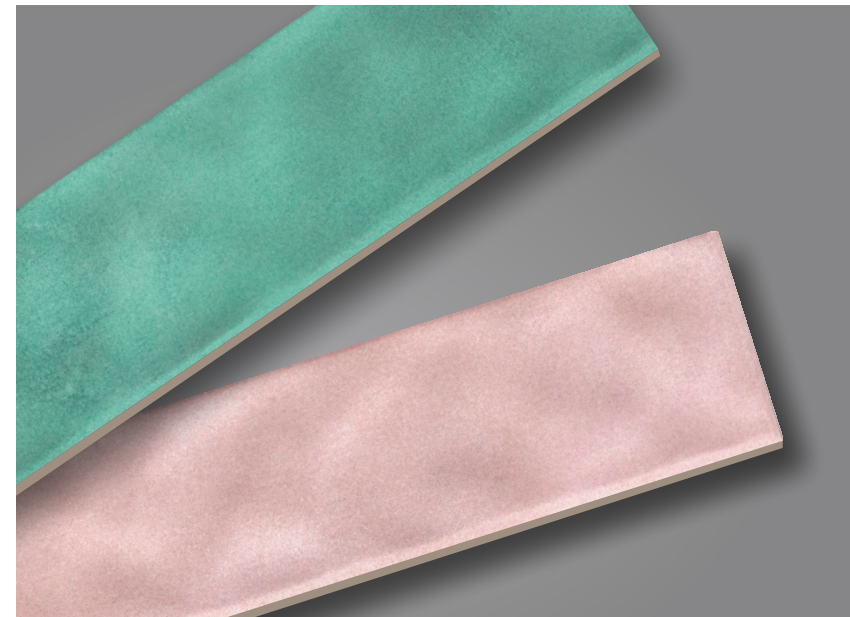
When you think world-class design, you think Italian. The sharp cuts, the artistic lines, the aesthetic tones - no one does it better. So, taking inspiration from Italian architecture and designs, we at SOMANY envisaged a brand that would cater to the true connoisseurs of luxury and design. We wanted to create world-class tiles that would elevate any home. Thus, was born Italmarmi - a range of Premium, Luxury tiles. Designed while keeping in mind world trends and styles. Artistic mosaics, spectacular glass tiles or patterns and textures - Italmarmi aims to reshape the way we think about tiles. It is an expression of exclusivity and dynamism.





## Crafting Stunning Spaces

Explore the diverse range of mosaic tile finishes, from glossy to matte.



### APPLICATION AREAS



Residential



School &  
College



Hotel,  
Restaurant &  
Cafe



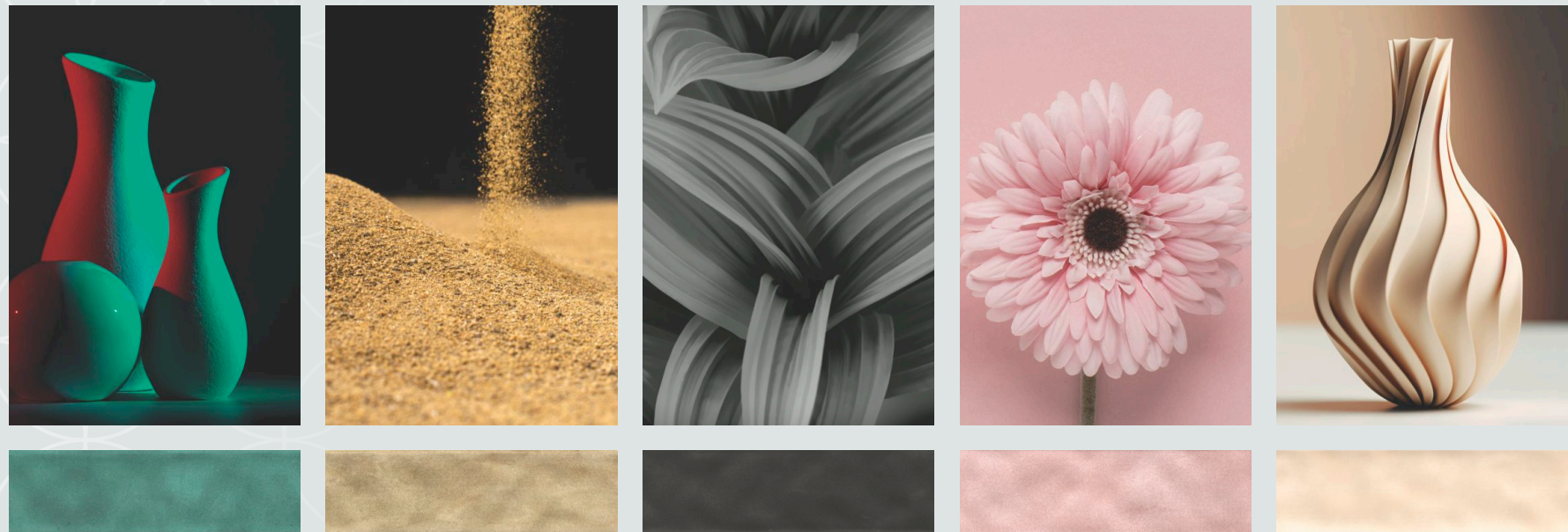
Hall &  
Corridor



Spa and  
Wellness Centres



*Inspired by the textures and  
colors of nature*



Embrace the essence of nature with our tiles, where earthy textures meet vibrant hues. Each piece is a reflection of organic beauty, bringing the outdoors in. Experience the harmony of nature-inspired design.

# CONTENT

## Rivestimento Di **Artistico**

FIRENZA SERIES ..... 10  
150x150mm

NAPLES SERIES ..... 14  
75x300mm

## Rivestimento Di **Modellato**

MDH BEZEL SERIES ..... 20  
100x200mm

MDL BEZEL SERIES ..... 22  
100x300mm

MCL OSCILLIO SERIES ..... 24  
75x300mm

## Serie Di **MOSAICI**

VITASTA SERIES ..... 30  
303x303mm

PIXEL SERIES ..... 31  
300x300mm

YUBI SERIES ..... 31  
285x295mm

PIECES SERIES ..... 32  
292x292mm

TRAPEZE SERIES ..... 32  
282x315mm

GLASS MOSAIC SERIES ..... 33  
327x327mm

## Scultura Di **PARETE**

LINEA SERIES ..... 36  
300x300mm

MOROCCAN SERIES ..... 37  
300x300mm

TURCO SERIES ..... 37  
300x300mm

ANGEL PIANA  
MOROCCAN SERIES ..... 38  
300x300mm



Rivestimento Di  
**Artistico**

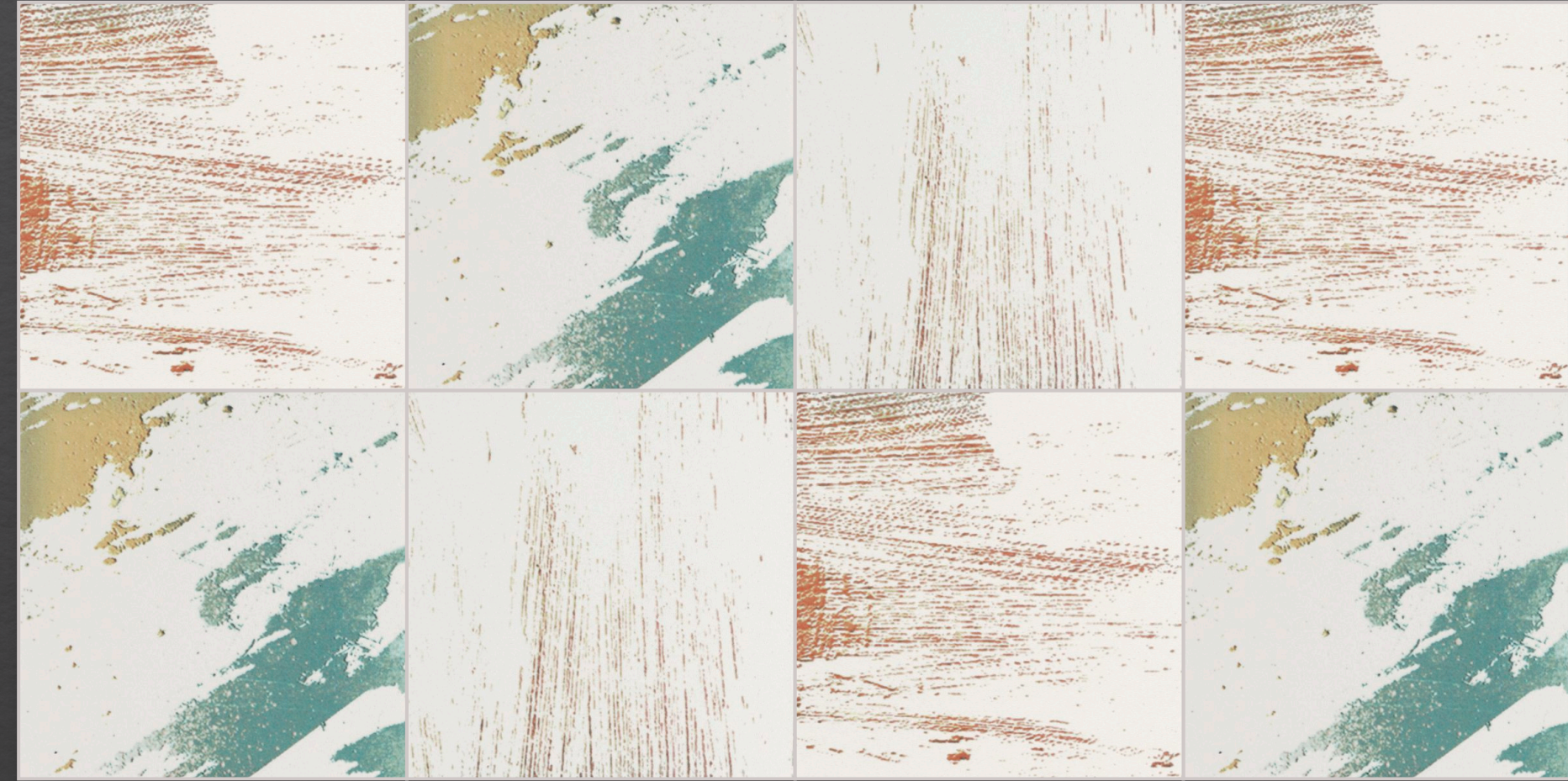
Each tile has been selected to match architectural finesse and artistic taste, these tiles are icebreakers and gives you opportunity to delve into the creative canvass where you are making your own impression.



APPLICATION AREAS

-   
 Residential
-   
 Hall & Corridor
-   
 School & College
-   
 Hotel, Restaurant & Cafe
-   
 Spa and Wellness Centres

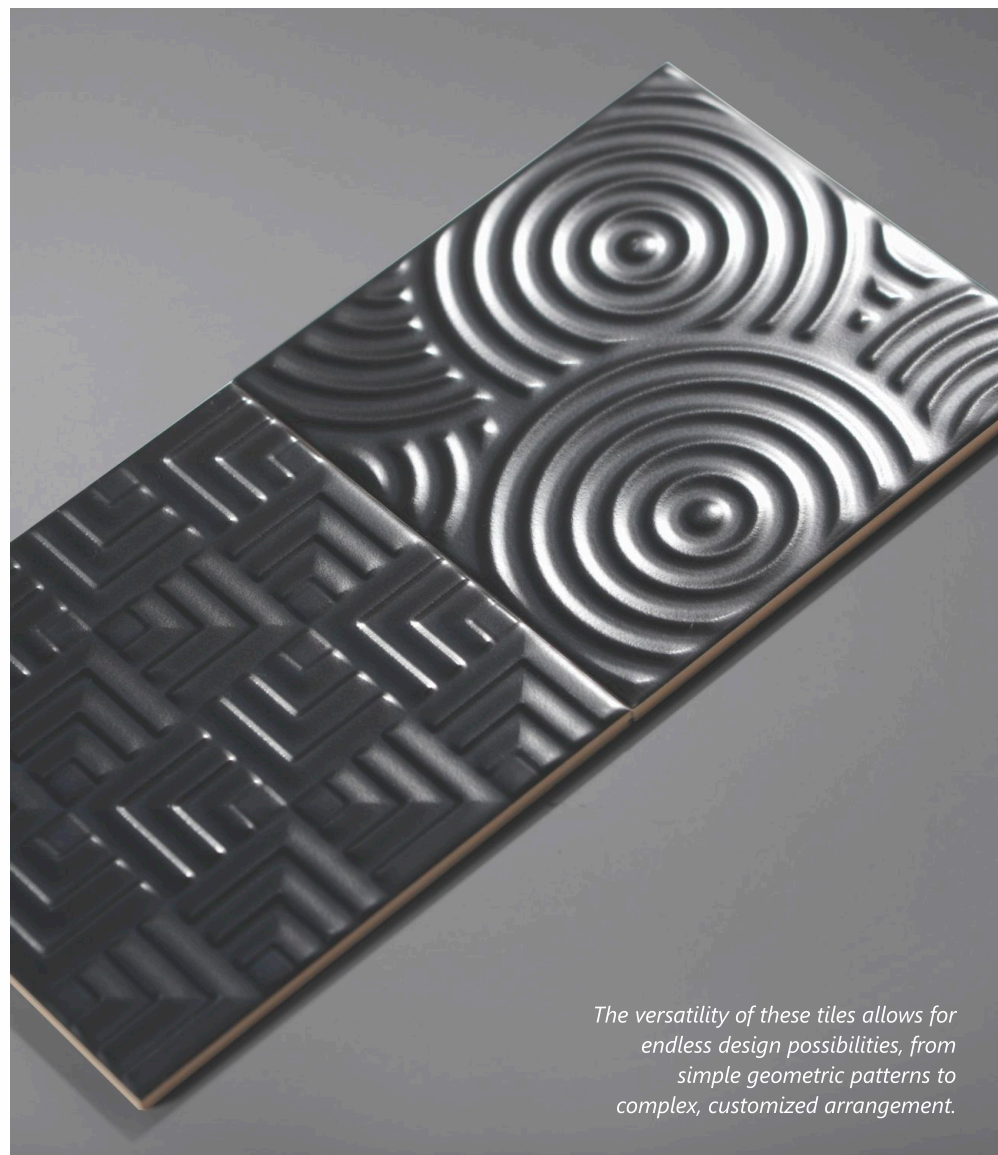
Mosaics Crafted to Perfection



|                                            |                                          |
|--------------------------------------------|------------------------------------------|
| <p><b>FIRENZA SERIES</b><br/>150x150mm</p> | <p><b>NAPLES SERIES</b><br/>75x300mm</p> |
|--------------------------------------------|------------------------------------------|



Rivestimento Di  
**Artistico**



*The versatility of these tiles allows for endless design possibilities, from simple geometric patterns to complex, customized arrangement.*

**FIRENZA SERIES**  
150x150mm



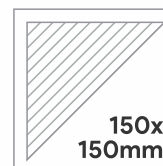
**FIRENZA PRETO ZADE**

Surface : Random Punch  
Graphics : Special Glaze  
Effect : Matt



**FIRENZA ASTRATTO GRANELLA**

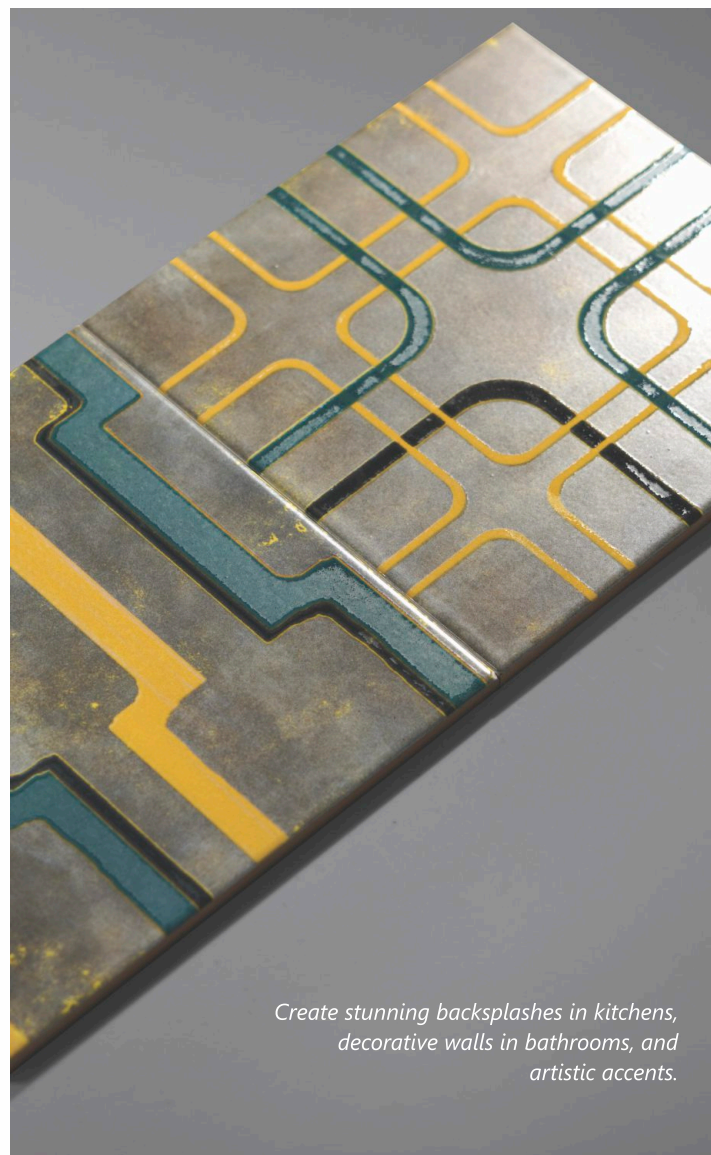
Surface : Plain  
Graphics : Random Print  
Effect : Matt / Glossy Granula



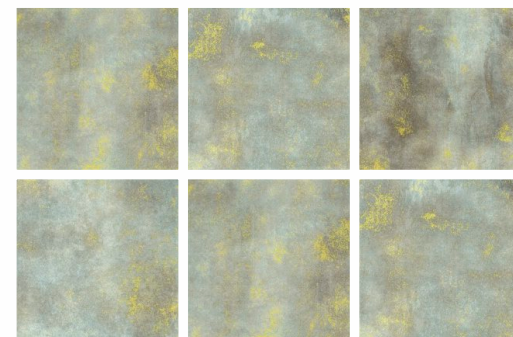
FIRENZA PRETO ZADE



Rivestimento Di  
**Artistico**



*Create stunning backsplashes in kitchens,  
decorative walls in bathrooms, and  
artistic accents.*



**FIRENZA NATALIA LUSTRO**

Surface : Punch  
Graphics : Random Print  
Effect : Matt / Lustre



**FIRENZA NATALIA GRANELLA ARTE**

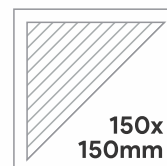
Surface : Punch  
Graphics : Random Print  
Effect : Matt / Glossy Granula

**FIRENZA SERIES**  
150x150mm



**FIRENZA PAISLEY GRANELLA**

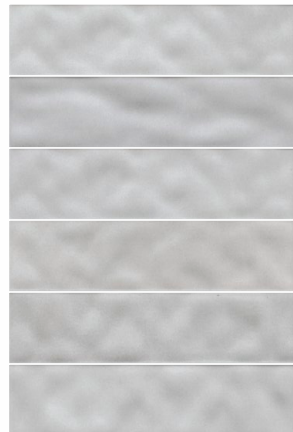
Surface : Plain  
Graphics : Random Print  
Effect : Matt / Glossy Granula



FIRENZA NATALIA GRANELLA ARTE & LUSTRO

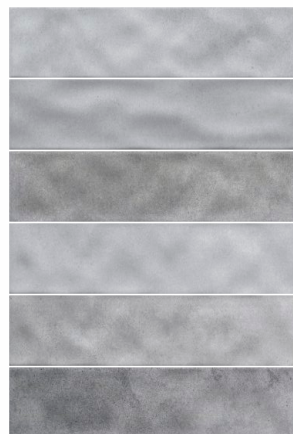


Rivestimento Di  
**Artistico**



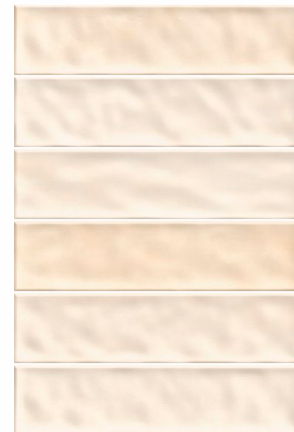
**NAPLES ICE LUCIDO**

Surface : Random Punch  
Graphics : Random Print  
Effect : Glossy



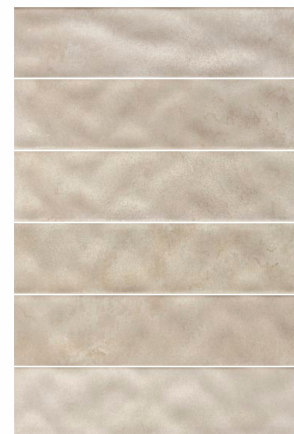
**NAPLES GRIS LUCIDO**

Surface : Random Punch  
Graphics : Random Print  
Effect : Glossy



**NAPLES AVORIO LUCIDO**

Surface : Random Punch  
Graphics : Random Print  
Effect : Glossy



**NAPLES CREMA LUCIDO**

Surface : Random Punch  
Graphics : Random Print  
Effect : Glossy



**NAPLES LARA LUSTRO**

Surface : Punch  
Graphics : Random  
Effect : Matt / Lustre



**NAPLES LARA GRANELLA ARTE**

Surface : Punch  
Graphics : Random  
Effect : Matt / Glossy Granula

**NAPLES SERIES**  
75x300mm



**NAPLES CREMA LUCIDO**



Rivestimento Di  
**Artistico**



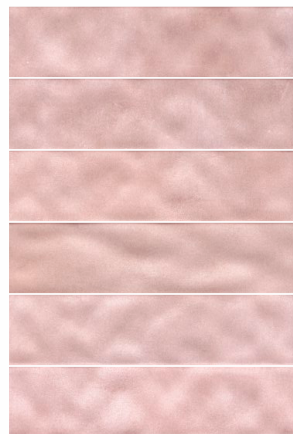
**NAPLES OSCURO LUCIDO**

Surface : Random Punch  
Graphics : Random Print  
Effect : Glossy



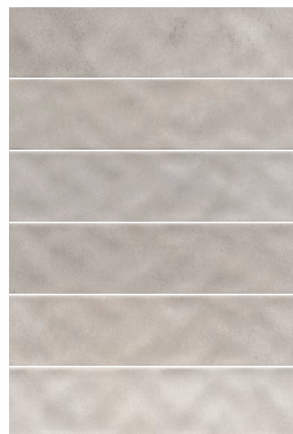
**NAPLES COBALTO LUCIDO**

Surface : Random Punch  
Graphics : Random Print  
Effect : Glossy



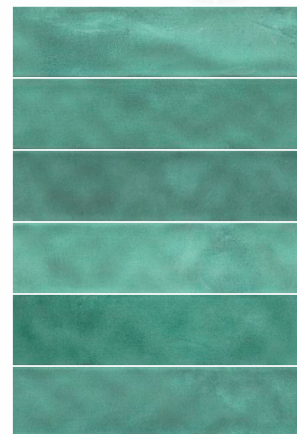
**NAPLES OCRE LUCIDO**

Surface : Random Punch  
Graphics : Random Print  
Effect : Glossy



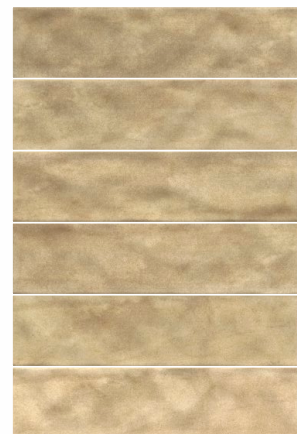
**NAPLES NORLAND LUCIDO**

Surface : Random Punch  
Graphics : Random Print  
Effect : Glossy



**NAPLES VERDE LUCIDO**

Surface : Random Punch  
Graphics : Random Print  
Effect : Glossy



**NAPLES LIVORNO LUCIDO**

Surface : Random Punch  
Graphics : Random Print  
Effect : Glossy

**NAPLES SERIES**  
75x300mm



**NAPLES NORLAND LUCIDO**



# Rivestimento Di Modellato

Modellato tiles are beautified patterns, moulded to give rich and autocratic motifs in the most contemporary set ups .These smooth moulding patterned tiles are very popular amongst connoisseurs of art.



## APPLICATION AREAS



Residential



Hall & Corridor



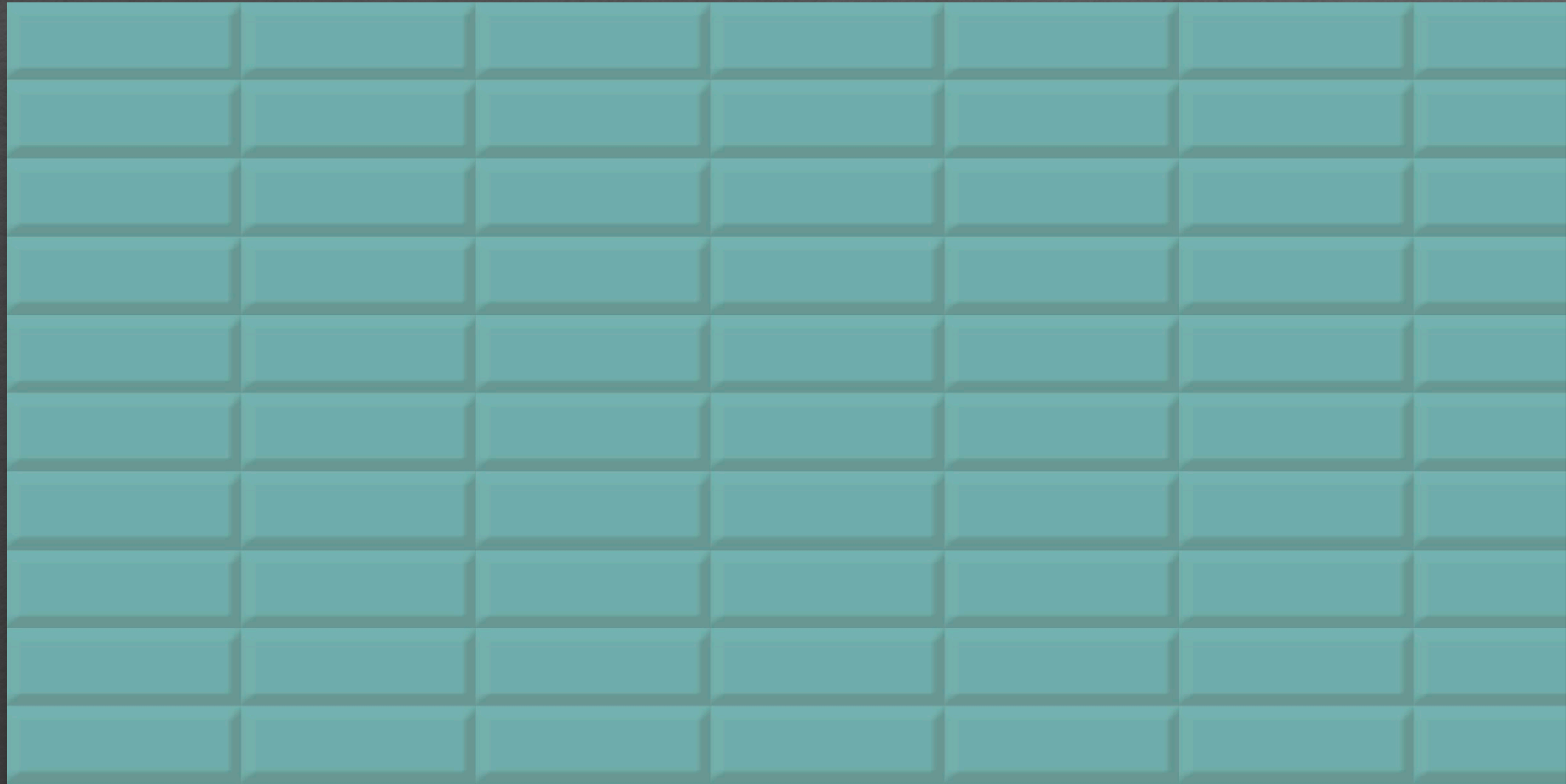
School & College



Hotel, Restaurant & Cafe



Spa and Wellness Centres



MDH BEZEL SERIES  
100x200mm

MDL BEZEL SERIES  
100x300mm

MCL OSCILLIO SERIES  
75x300mm



Rivestimento Di  
**Modellato**



MDH BEZEL BONE

MDH BEZEL SERIES  
100x200mm

BEVELED PUNCH | GLOSSY



MDH BEZEL BIANCO



MDH BEZEL BONE



MDH BEZEL AQUA VERDE



MDH BEZEL MERLOT



MDH BEZEL OLIVE



MDH BEZEL NERO



MDH BEZEL NERO





MDL BEZEL NERO

MDL BEZEL SERIES  
100x300mm

BEVELED PUNCH | GLOSSY



MDL BEZEL BIANCO



MDL BEZEL TURQUESA



MDL BEZEL NERO



MDL BEZEL BONE



MDL BEZEL BONE

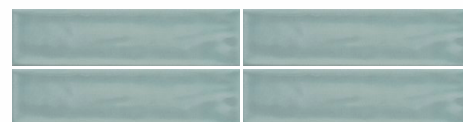


Rivestimento Di  
**Modellato**

CLOUDY PUNCH | GLOSSY & MATT



MCL OSCILLO BIANCO



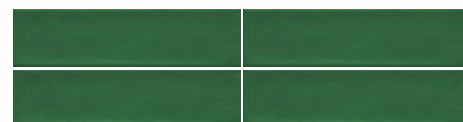
MCL OSCILLO TURQUESA



MCL OSCILLO GIALLO



MCL OSCILLO CHERRY



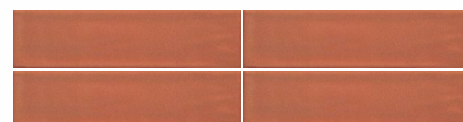
MCL OSCILLO OLIVE



MCL OSCILLO PELTRO



MCL OSCILLO FELCE

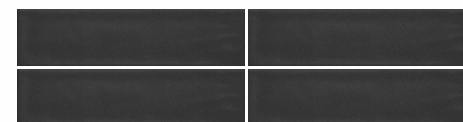


MCL OSCILLO CORALLO

MCL OSCILLIO SERIES  
75x300mm



MCL OSCILLO TEAL VERDE



MCL OSCILLO NERO



MCL OSCILLO ROSSO



MCL OSCILLO AQUA VERDE



MCL OSCILLO CORALLO

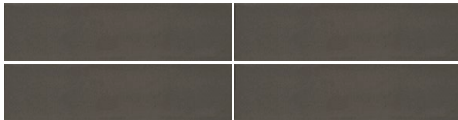


Rivestimento Di  
**Modellato**



MCL OSCILLO MARINO AZUL

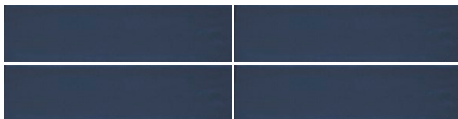
CLOUDY PUNCH | GLOSSY & MATT



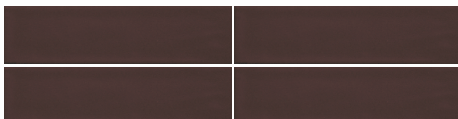
MCL OSCILLO GRIGIO



MCL OSCILLO CENERE



MCL OSCILLO MARINO AZUL

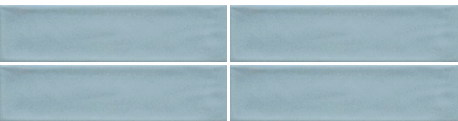


MCL OSCILLO RUSSET

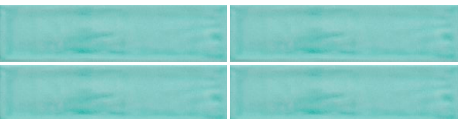
MCL OSCILLIO SERIES  
75x300mm



MCL OSCILLO MENTA



MCL OSCILLO CINZA AZUL



MCL OSCILLO CHIARA VERDE

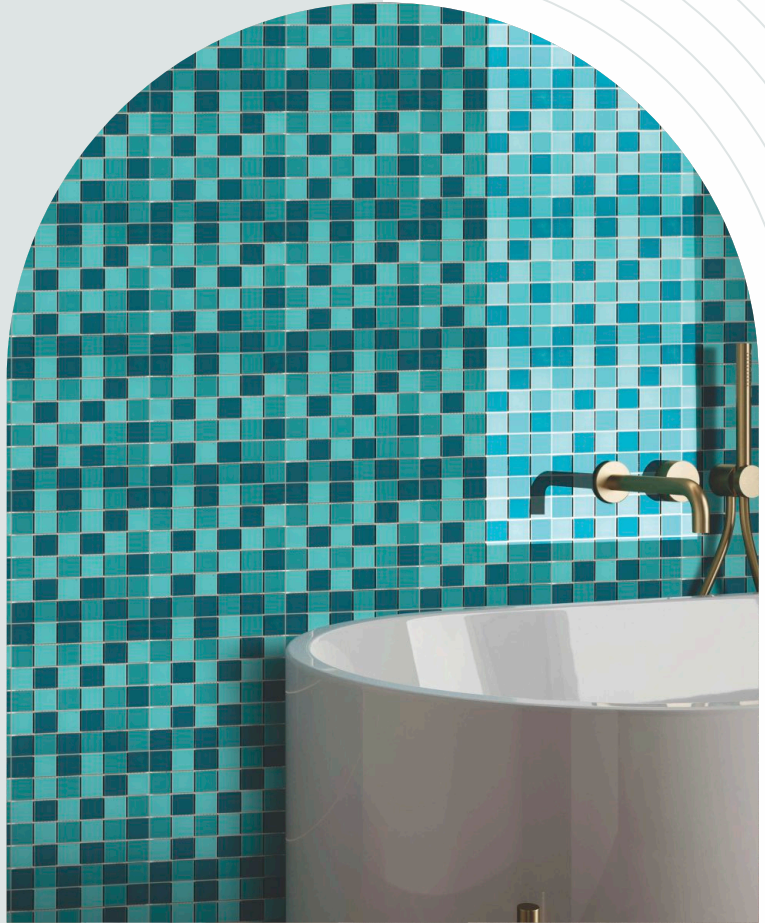


MCL OSCILLO CINZA AZUL

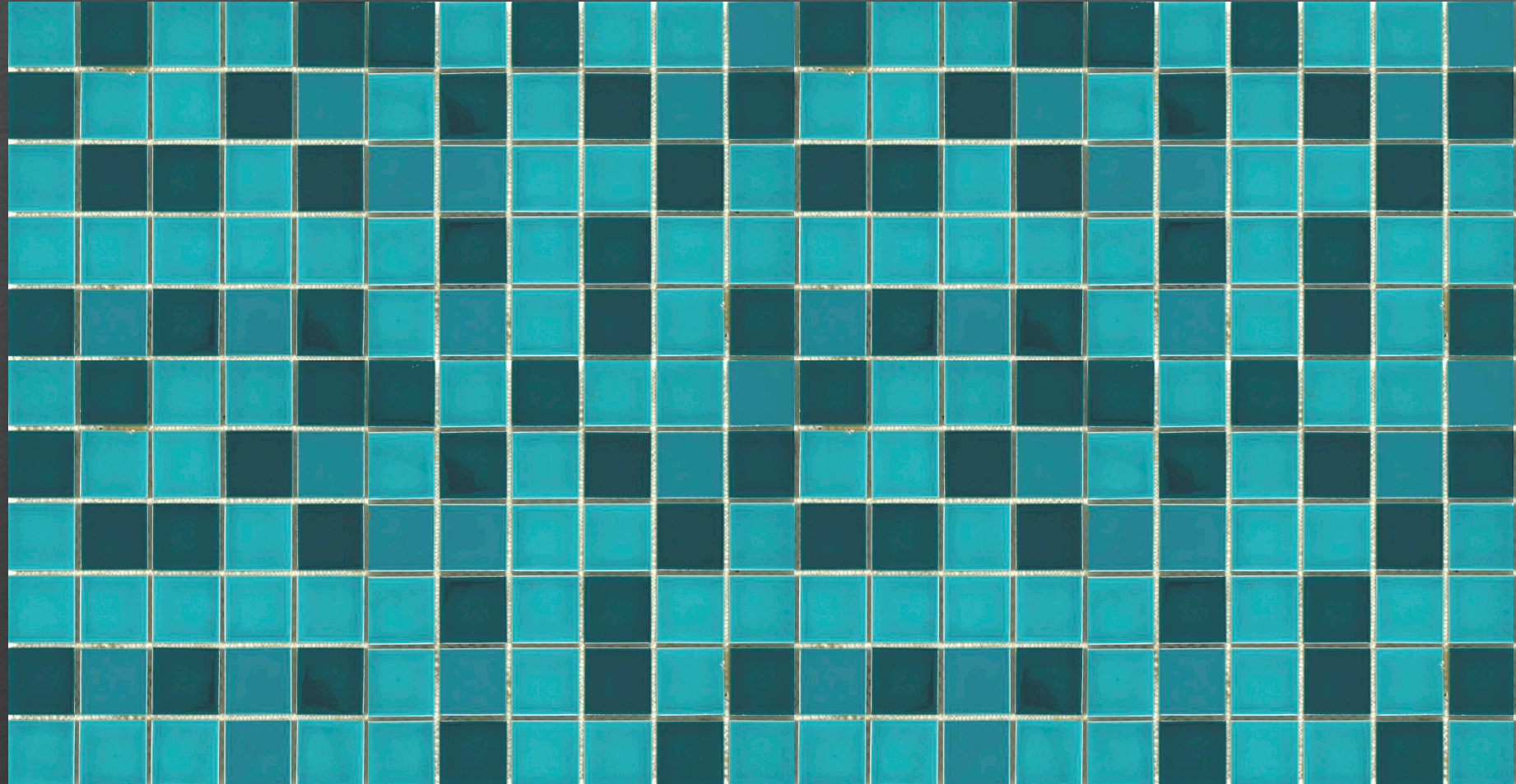


Serie Di  
**MOSAICI**

Mosaics are very attractive and compel you to adore them. Bedecked mosaic tiles give a sense of luxury and richness.



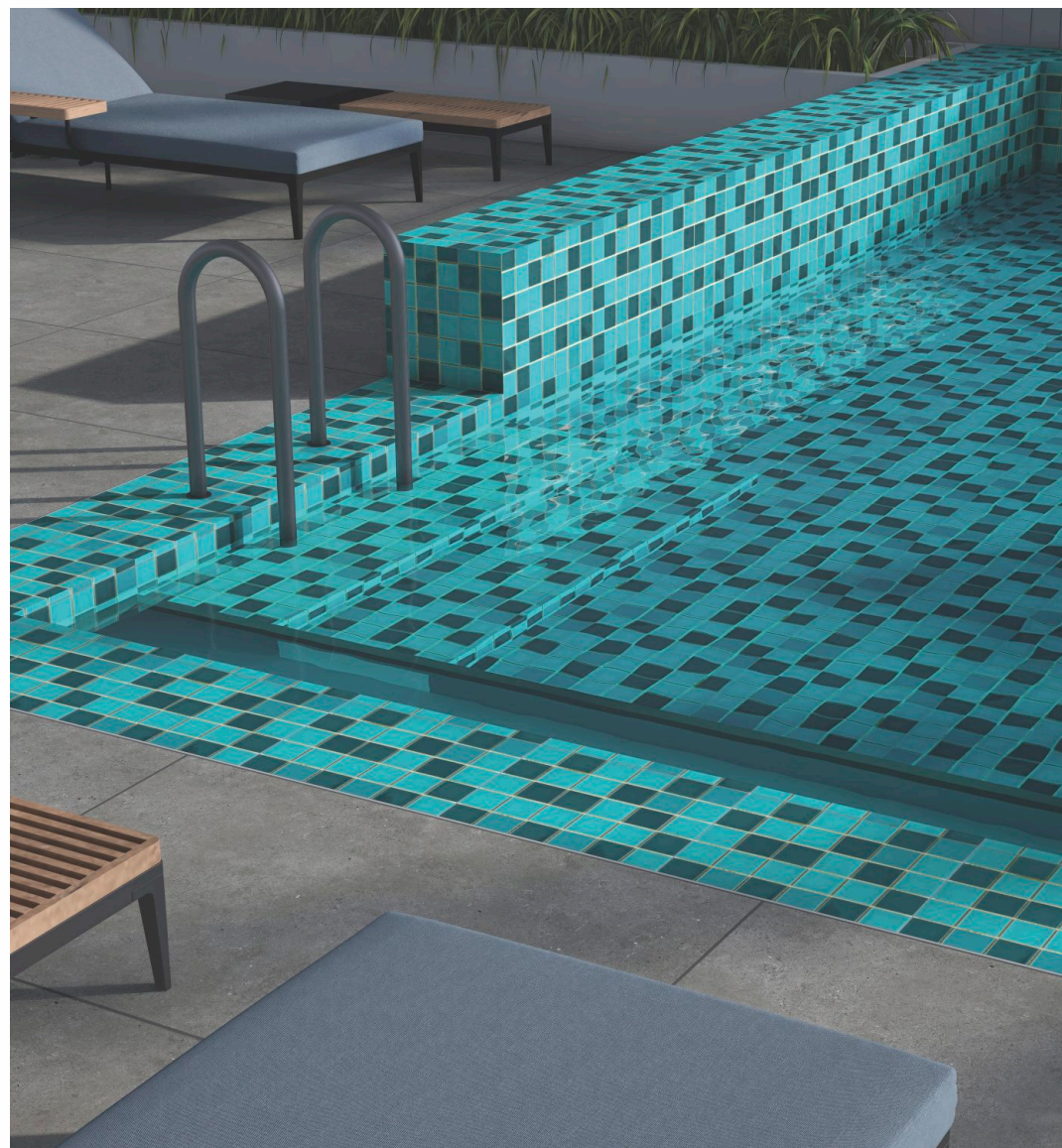
APPLICATION AREAS



|                |              |             |               |                |                     |
|----------------|--------------|-------------|---------------|----------------|---------------------|
| VITASTA SERIES | PIXEL SERIES | YUBI SERIES | PIECES SERIES | TRAPEZE SERIES | GLASS MOSAIC SERIES |
| 303x303mm      | 300x300mm    | 285x295mm   | 292x292mm     | 282x315mm      | 327x327mm           |



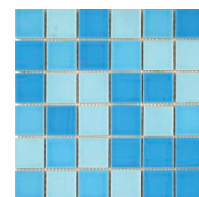
Serie Di  
**MOSAICI**



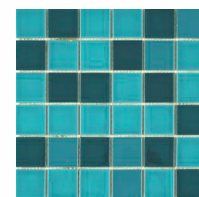
VITASTA CABANA

**GLOSSY**

Blend: Random

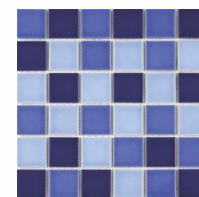


VITASTA NAVIGIO



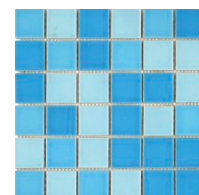
VITASTA CABANA

RANDOM MIX

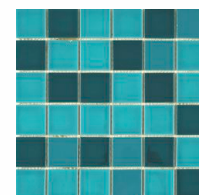


VITASTA ONCHA

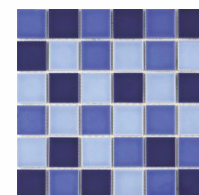
**MATT**



VITASTA NAVIGIO MATT



VITASTA CABANA MATT



VITASTA ONCHA MATT

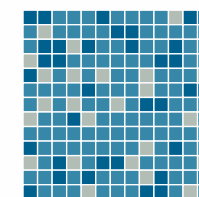
VITASTA SERIES

303x303mm

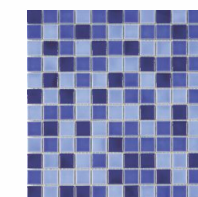
PIXEL SERIES

300x300mm

Blend: Random



PIXEL BAKER



PIXEL KRABI

YUBI SERIES

285x295mm

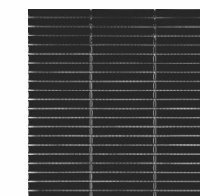
**GLOSSY**



YUBI BIANCO



YUBI VINTAGE AZURE



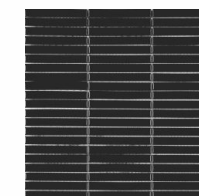
YUBI NERO

Blend: Monochromatic

**MATT**



YUBI BIANCO MATT



YUBI NERO MATT



PIXEL KRABI



Serie Di  
**MOSAICI**

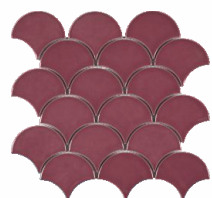


PIECES SEA GREEN

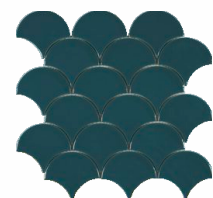
PIECES SERIES

292x292mm

Blend: Monochromatic



PIECES ROSSO



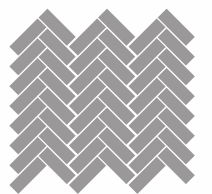
PIECES SEA GREEN

GLOSSY

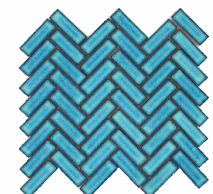
TRAPEZE SERIES

Blend: Monochromatic

282x315mm



TRAPEZE OATMILL

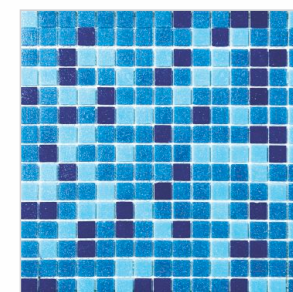


TRAPEZE VINTAGE  
SEA GREEN

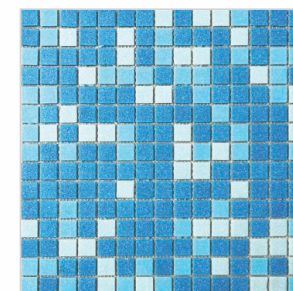
GLOSSY

GLASS MOSAIC SERIES

327x327mm



VETRO MOSAIC RM\_201



VETRO MOSAIC RM\_204



VETRO MOSAIC RM\_204



Scultura Di  
**PARETE**

These tiles serve as conversation starters, inviting you to explore a creative canvas where you can leave your own unique mark.

FINISH  
**MATT**

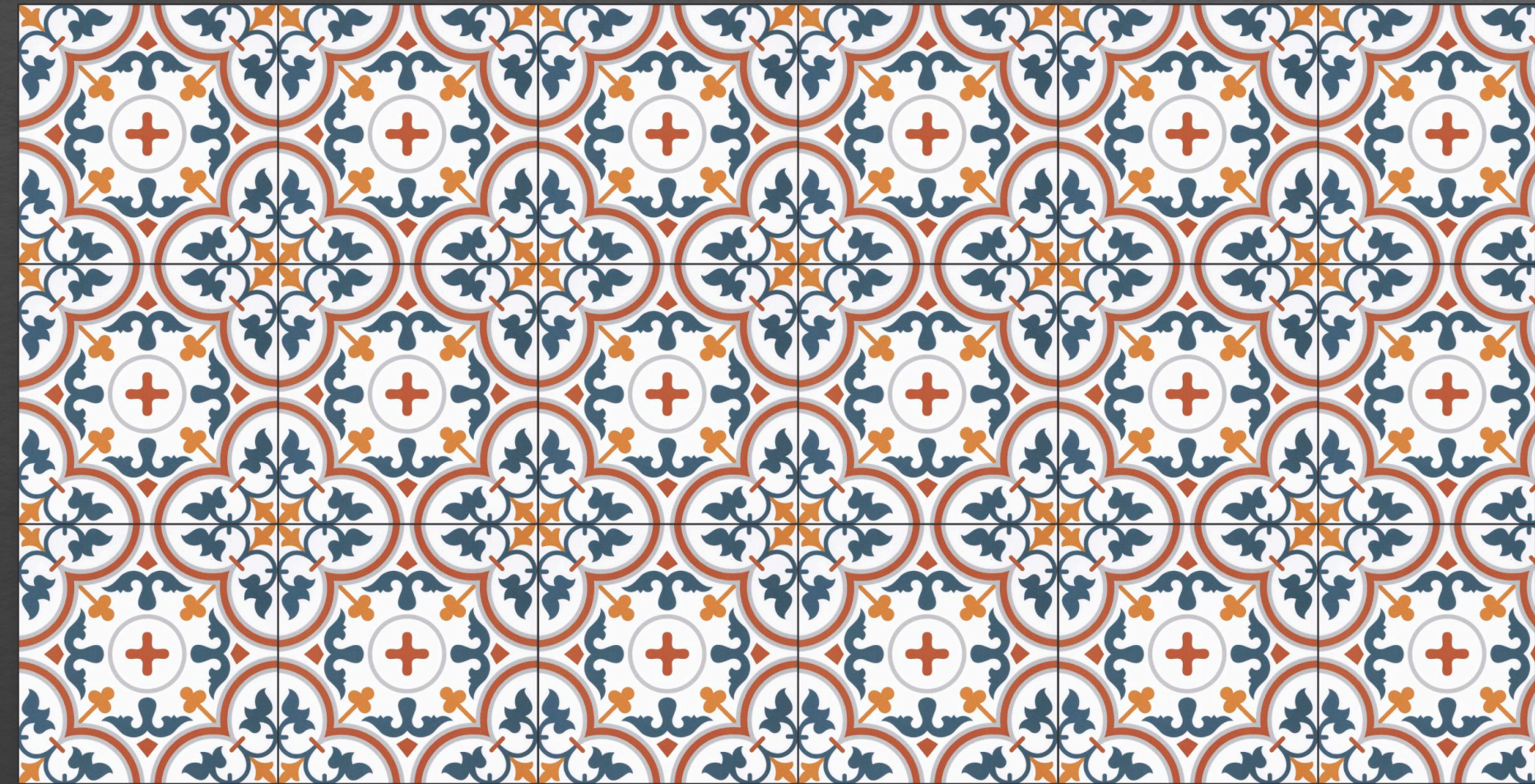


Capturing Beauty in Glass



APPLICATION AREAS

-   
Residential
-   
Hall & Corridor
-   
School & College
-   
Hotel, Restaurant & Cafe
-   
Spa and Wellness Centres



- |                           |                              |                           |                                          |
|---------------------------|------------------------------|---------------------------|------------------------------------------|
| LINEA SERIES<br>300x300mm | MOROCCAN SERIES<br>300x300mm | TURCO SERIES<br>300x300mm | ANGEL PIANA MOROCCAN SERIES<br>300x300mm |
|---------------------------|------------------------------|---------------------------|------------------------------------------|



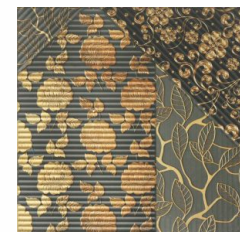
Scultura Di  
**PARETE**

**9mm**  
THICKNESS

**LINEA SERIES**

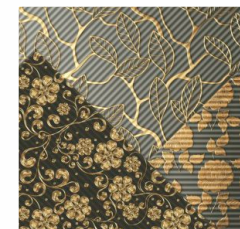
300x300mm

FINISH  
**MATT**



**LINEA CANAVA GOLD ARTE - A**

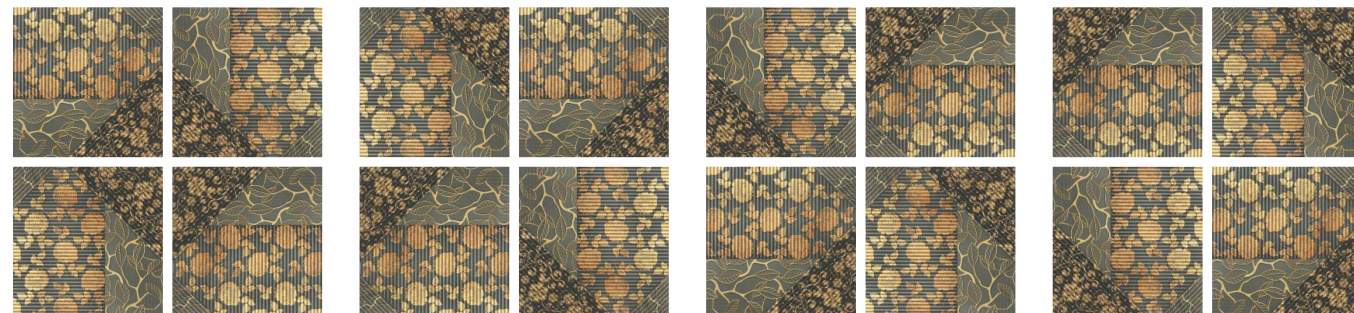
Surface : Line Punch



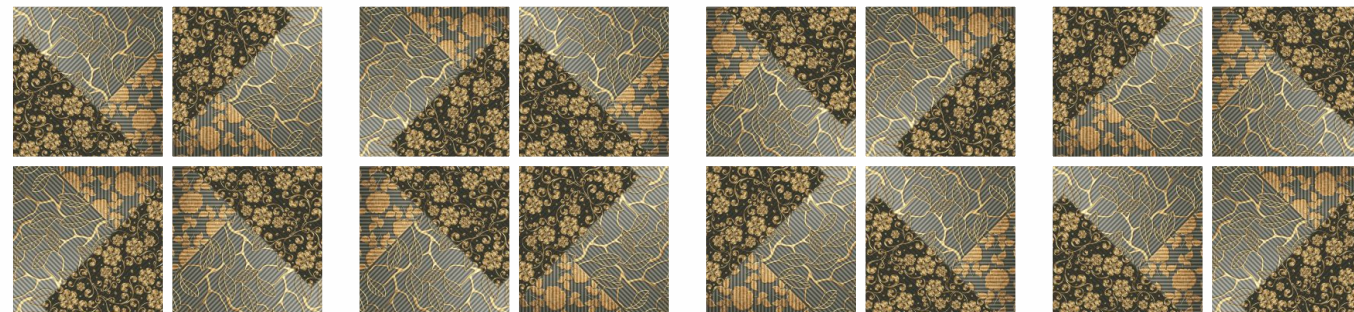
**LINEA CANAVA GOLD ARTE - B**

Surface : Line Punch

LAYING PATTERN



LAYING PATTERN



**MOROCCAN SERIES**

300x300mm

**9mm**  
THICKNESS

FINISH  
**MATT**



**MOROCCAN AZURE ARTE**

Surface : Plain



MOROCCAN AZURE ARTE

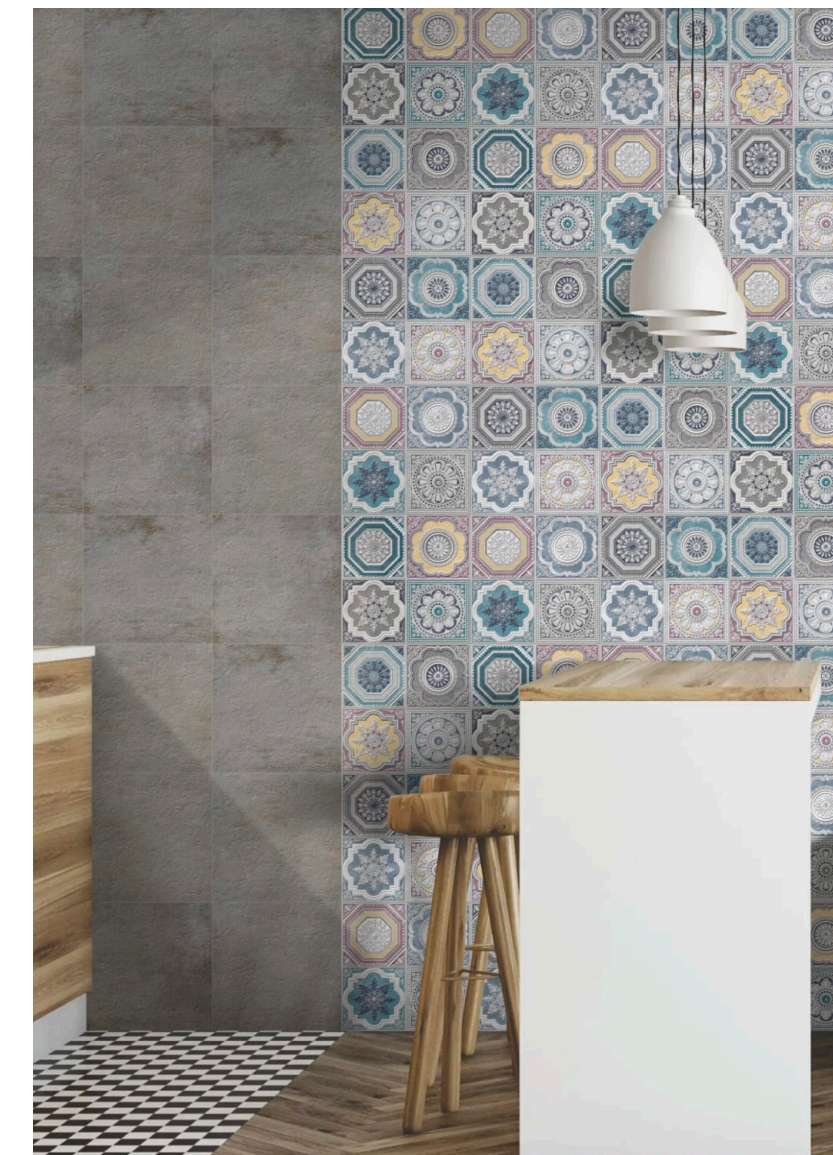
**TURCO SERIES**

300x300mm



**TURCO ARTE**

Surface : Rustic Punch

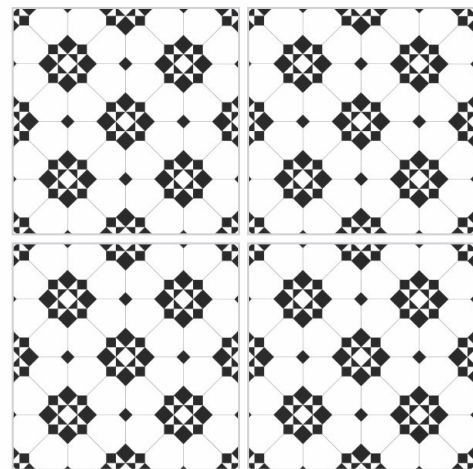


TURCO ARTE



Scultura Di  
**PARETE**

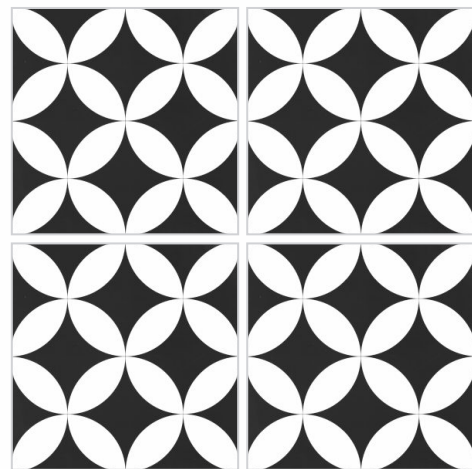
**8mm**  
THICKNESS



**MR 105**  
Surface



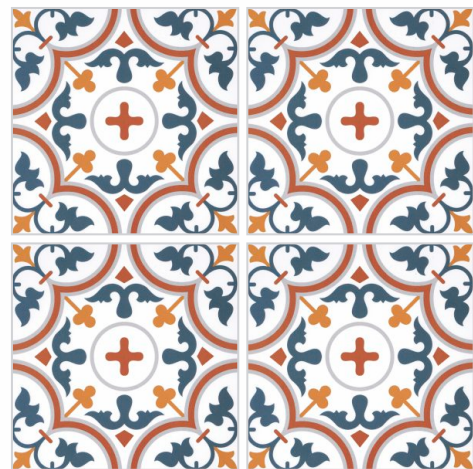
**MR 210**  
Surface



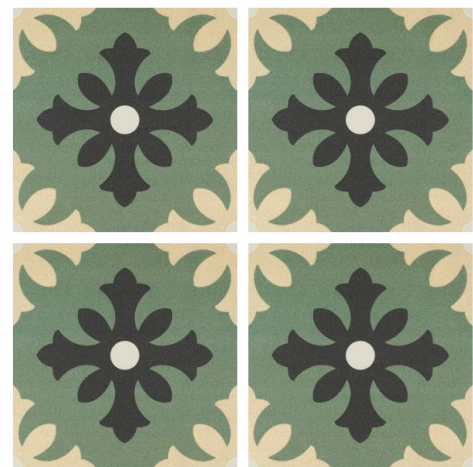
**MR 116**  
Surface



**MR 213**  
Surface



**MR 204**  
Surface



**MR 218**  
Surface

ANGEL PIANA MOROCCAN SERIES

300x300mm

FINISH  
**MATT**



MR 213

39



Scultura Di  
**PARETE**

**8mm**  
THICKNESS



MR 236

ANGEL PIANA MOROCCAN SERIES

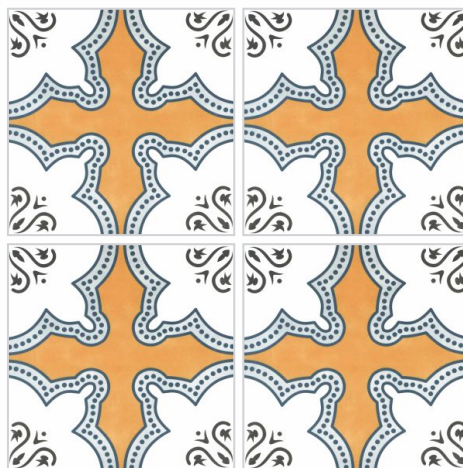
300x300mm

FINISH  
**MATT**



MR 236

Surface



MR 239

Surface

ANGEL PIANA MOROCCAN SERIES

300x300mm

**8mm**  
THICKNESS



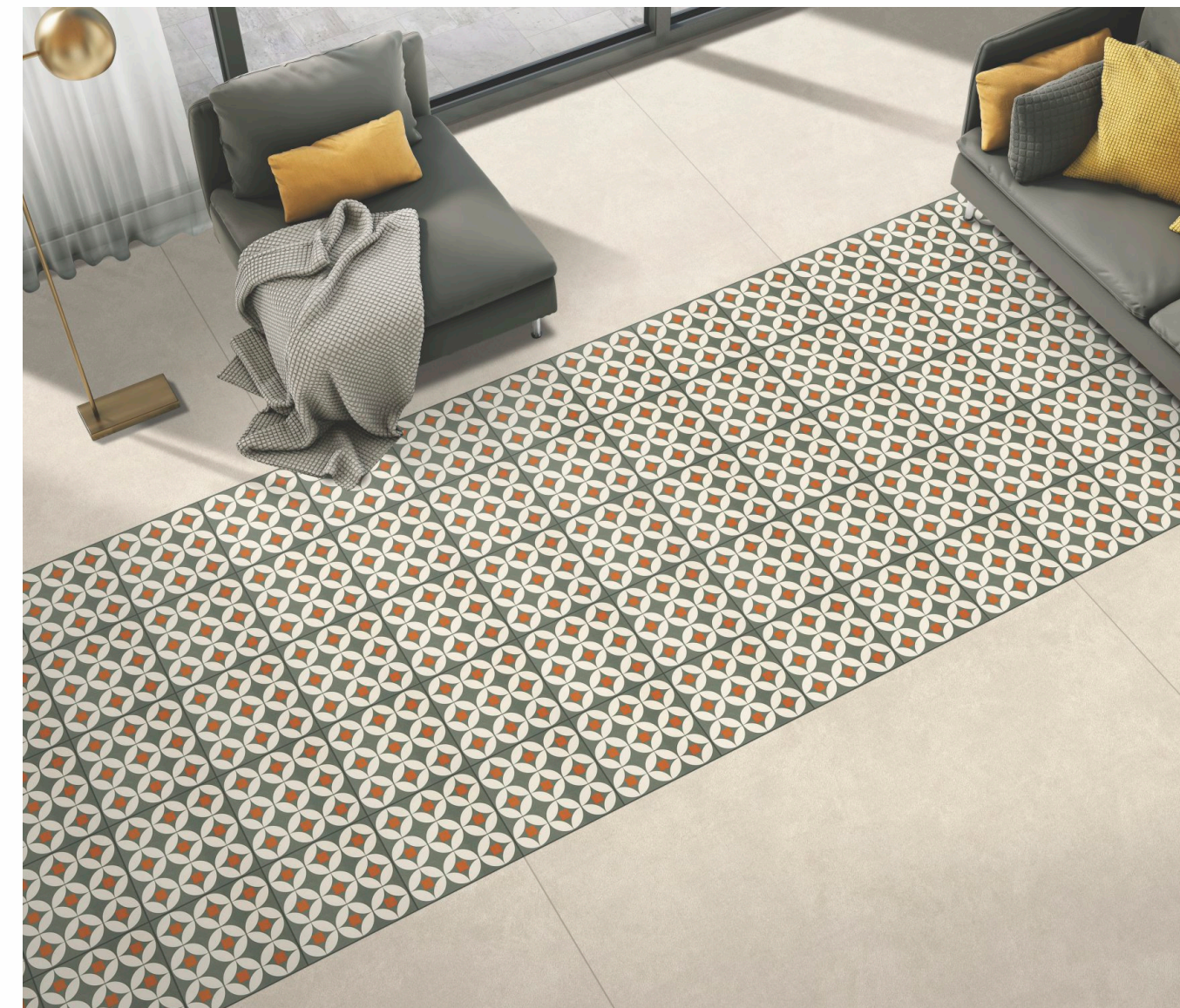
MR 246

Surface



MR 250

Surface



MR 246



TECHNICAL SPECIFICATIONS

| PACKAGING DETAIL FOR MOSAICI TILES |         |                             |                         |                          |
|------------------------------------|---------|-----------------------------|-------------------------|--------------------------|
| Sheet Size mm (Mosaic Size mm)     | Series  | Avg.weight per carton (Kgs) | No. of Sheet per carton | Coverage area per carton |
| 303 x 303 ( 48x48)                 | Vitasta | 23.0 Kgs.                   | 20 Sheet                | 1.84sq.mtr./19.81sq.ft.  |
| 300 x 300 (23x23)                  | Pixel   | 21.0 Kgs.                   | 20 Sheet                | 1.80sq.mtr./19.38sq.ft.  |
| 285 x 295 (12x93)                  | Yubi    | 20.0 Kgs.                   | 20 Sheet                | 1.68sq.mtr./16.08sq.ft.  |
| 292 x 292 (83x94)                  | Pieces  | 20.0 Kgs.                   | 20 Sheet                | 1.71sq.mtr./18.41sq.ft.  |
| 282 x 315 (23x73)                  | Trapeze | 20.0 Kgs.                   | 20 Sheet                | 1.78sq.mtr./19.38sq.ft.  |
| 327 x 327 ( 20x20)                 | Vetro   | 40.0 Kgs.                   | 40 Sheet                | 4.28sq.mtr./46.07sq.ft.  |

| PACKAGING DETAIL FOR MODELLATO TILES |               |                            |                         |                          |
|--------------------------------------|---------------|----------------------------|-------------------------|--------------------------|
| Nominal Size (mm)                    | Thickness(mm) | Avg.weight per carton(Kgs) | No. of tiles per carton | Coverage area per carton |
| 100X200 (Un-Rectified)               | 7.5 mm        | 13.0 Kgs.                  | 50 Pcs                  | 1.000sq.mtr./10.76sq.ft. |
| 100X300 (Un-Rectified)               | 7.5 mm        | 13.5 Kgs.                  | 33 Pcs                  | 0.990sq.mtr./10.66sq.ft. |
| 75x300 (Un-Rectified)                | 7.5 mm        | 13.5 Kgs.                  | 44 Pcs                  | 0.990sq.mtr./10.66sq.ft. |

| TECHNICAL SPECIFICATION FOR MODELLATO TILES                                             |                                                                           |                                                                           |                                                       |                                               |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------|
| CHARACTERISTICS                                                                         | Requirment as per IS 15622: 2017 E>10                                     | Requirements as per ISO 13006: 2018 E>10                                  | Somany Value                                          | Test Method                                   |
| DIMENSION & SURFACE QUALITY                                                             |                                                                           |                                                                           |                                                       |                                               |
| Length & Width                                                                          | ± 0.5 %                                                                   | ± 0.6 %                                                                   | ± 0.5 %                                               | IS 13630 Part 1/ISO 10454-2                   |
| Thickness                                                                               | ± 7.0 %                                                                   | ±10.0 %                                                                   | ± 7.0 %                                               |                                               |
| Straightness of Side                                                                    | ± 0.2 %                                                                   | ± 0.5 %                                                                   | ± 0.2 %                                               |                                               |
| Rectengularity                                                                          | ± 0.3 %                                                                   | ± 0.5 %                                                                   | ± 0.3 %                                               |                                               |
| Surface Flatness Maximum deviation in %                                                 |                                                                           | ± 0.5 %                                                                   |                                                       |                                               |
| Center Curvature related to diagonal                                                    | ± 0.3 %                                                                   | ± 0.5 %                                                                   | ± 0.3 %                                               |                                               |
| Edge Curvature related to corrsponding side                                             | ± 0.3 %                                                                   | ± 0.5 %                                                                   | ± 0.3 %                                               |                                               |
| Warpge related to diagonal                                                              | ± 0.3 %                                                                   | ± 0.5 %                                                                   | ± 0.3 %                                               |                                               |
| Surface Quality                                                                         | Min. 95 % of tiles will be free from visible defects.                     | Min. 95 % of tiles will be free from visible defects.                     | Min. 95 % of tiles will be free from visible defects. |                                               |
| PHYSICAL PROPERTIES                                                                     |                                                                           |                                                                           |                                                       |                                               |
| Water Absorption                                                                        | E ≥ 10 % when it exceeds 20 % this shall be indecated by the manufacturer | E ≥ 10 % when it exceeds 20 % this shall be indecated by the manufacturer | Avg. 10-20 %                                          | IS 13630 Part 2/ ISO 10545-3                  |
| Modulus of Rupture [N/mm2]                                                              | Min 12                                                                    | Average Min 12                                                            | Average > 12                                          | IS 13630 Part 6/ ISO 10545-4                  |
| Breaking Strength in N                                                                  | Min 200                                                                   | Min. 200                                                                  | Min 200                                               |                                               |
| Scratch Hardness (Mohs)                                                                 | Min 3                                                                     | -                                                                         | Min 3                                                 | IS 13630 Part 13                              |
| Coefficient of Linear Thermal Expansion from Ambient Temperature to 1000 C              | 9 x 10 <sup>-6</sup> k <sup>-1</sup> Max                                  | -                                                                         | 8 x 10 <sup>-6</sup> k <sup>-1</sup> Max              | IS 13630 Part 4/ISO 10545-8                   |
| Thermal Shock Resistance                                                                | 10 Cycle Min                                                              | Test Method Available                                                     | 10 cycle Min                                          | IS 13630 Part 5/ISO 10545-9                   |
| Crazing Resistance                                                                      | 4 Cycle @ 7.5 bar Min                                                     | Manufacturer to Declared                                                  | 4 Cycle @ 7.5 bar Min                                 | IS 13630 Part 9/ ISO 10545-11                 |
| CHEMICAL PROPERTIES                                                                     |                                                                           |                                                                           |                                                       |                                               |
| Stain Resistance                                                                        | Min class-1                                                               | Min Class 3                                                               | Class 1                                               | IS 13630 Part 8 / ISO 10545-13 & ISO 10545-14 |
| Resistance to household chemicals                                                       | Min class-AA                                                              | Test Method Available                                                     | Class AA                                              |                                               |
| Resistance to acids and alkalis (with exception of hydrofluoric acid and its compounds) | Required if agreed                                                        | Test Method Available                                                     | Class AA                                              |                                               |

TECHNICAL SPECIFICATIONS

| PACKAGING DETAIL FOR ARTISTCO TILES |               |                            |                         |                          |
|-------------------------------------|---------------|----------------------------|-------------------------|--------------------------|
| Nominal Size (mm)                   | Thickness(mm) | Avg.weight per carton(Kgs) | No. of tiles per carton | Coverage area per carton |
| 150X150 (Un-Rectified)              | 7.5 mm        | 7.0 Kgs.                   | 25 Pcs                  | 0.563sq.mtr./6.060sq.ft. |
| 75X300 (Un-Rectified)               | 8.0 mm        | 6.1 Kgs.                   | 24 Pcs                  | 0.540sq.mtr./5.813sq.ft. |

| TECHNICAL SPECIFICATION FOR ARTISTCO TILES                                              |                                                                           |                                                                           |                                                       |                                               |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------|
| CHARACTERISTICS                                                                         | Requirment as per IS 15622: 2017 E>10, Gr. BIII                           | Requirements as per ISO 13006: 2018 E>10, Gr. BIII                        | Somany Value                                          | Test Method                                   |
| DIMENSION & SURFACE QUALITY                                                             |                                                                           |                                                                           |                                                       |                                               |
| Length & Width                                                                          | ± 0.5 %                                                                   | ± 0.6 %                                                                   | ± 0.5 %                                               | IS 13630 Part 1/ISO 10454-2                   |
| Thickness                                                                               | ± 5.0 %                                                                   | ±10.0 %                                                                   | ± 5.0 %                                               |                                               |
| Straightness of Side                                                                    | ± 0.2 %                                                                   | ± 0.5 %                                                                   | ± 0.2 %                                               |                                               |
| Rectengularity                                                                          | ± 0.3 %                                                                   | ± 0.5 %                                                                   | ± 0.3 %                                               |                                               |
| Surface Flatness Maximum deviation in %                                                 |                                                                           |                                                                           |                                                       |                                               |
| Center Curvature related to diagonal                                                    | ± 0.3 %                                                                   | ± 0.5 % / -0.3%                                                           | ± 0.3 %                                               |                                               |
| Edge Curvature related to corrsponding side                                             | ± 0.3 %                                                                   | ± 0.5 % / -0.3%                                                           | ± 0.3 %                                               |                                               |
| Warpge related to diagonal                                                              | ± 0.3 %                                                                   | ± 0.5 %                                                                   | ± 0.3 %                                               |                                               |
| Surface Quality                                                                         | Min. 95 % of tiles will be free from visible defects.                     | Min. 95 % of tiles will be free from visible defects.                     | Min. 95 % of tiles will be free from visible defects. |                                               |
| PHYSICAL PROPERTIES                                                                     |                                                                           |                                                                           |                                                       |                                               |
| Water Absorption                                                                        | E ≥ 10 % when it exceeds 20 % this shall be indecated by the manufacturer | E ≥ 10 % when it exceeds 20 % this shall be indecated by the manufacturer | Avg. 10-20 %                                          | IS 13630 Part 2/ ISO 10545-3                  |
| Modulus of Rupture [N/mm2]                                                              | Min 12                                                                    | Average Min 12                                                            | Average > 12                                          | IS 13630 Part 6/ ISO 10545-4                  |
| Breaking Strength in N                                                                  | Min 200                                                                   | Min. 200                                                                  | Min 200                                               |                                               |
| Scratch Hardness (Mohs)                                                                 | Min 3                                                                     | Min 3                                                                     | Min 3                                                 | IS 13630 Part 13                              |
| Coefficient of Linear Thermal Expansion from Ambient Temperature to 1000 C              | 9 x 10 <sup>-6</sup> k <sup>-1</sup> Max                                  | -                                                                         | 8 x 10 <sup>-6</sup> k <sup>-1</sup> Max              | IS 13630 Part 4/ISO 10545-8                   |
| Thermal Shock Resistance                                                                | 10 Cycle Min                                                              | 10 Cycle Min                                                              | 10 cycle Min                                          | IS 13630 Part 5/ISO 10545-9                   |
| Crazing Resistance                                                                      | 4 Cycle @ 7.5 bar Min                                                     | Manufacturer to Declared                                                  | 4 Cycle @ 7.5 bar Min                                 | IS 13630 Part 9/ ISO 10545-11                 |
| CHEMICAL PROPERTIES                                                                     |                                                                           |                                                                           |                                                       |                                               |
| Stain Resistance                                                                        | Min class-1                                                               | Required                                                                  | Class 1                                               | IS 13630 Part 8 / ISO 10545-13 & ISO 10545-14 |
| Resistance to household chemicals                                                       | Min class-AA                                                              | Required                                                                  | Class AA                                              |                                               |
| Resistance to acids and alkalis (with exception of hydrofluoric acid and its compounds) | Required if agreed                                                        | Required                                                                  | Class AA                                              |                                               |





TECHNICAL SPECIFICATIONS

| PACKAGING DETAIL FOR ANGEL PIANA MOROCCAN TILES |               |                            |                         |                          |
|-------------------------------------------------|---------------|----------------------------|-------------------------|--------------------------|
| Nominal Size (mm)                               | Thickness(mm) | Avg.weight per carton(Kgs) | No. of tiles per carton | Coverage area per carton |
| 300x300 (Rectified)                             | 8.0 mm        | 15.20 Kgs.                 | 10 Pcs                  | 0.90sq.mtr/9.687sq.ft.   |

| TECHNICAL SPECIFICATION FOR ANGEL PIANA MOROCCAN TILES                                  |                                                               |                                                       |                                                       |                                              |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|----------------------------------------------|
| CHARACTERISTICS                                                                         | Requirement as per IS 15622 :2017<br>3 < E ≤ 6 % Group B II a | ISO 13006:2018<br>3 < E ≤ 6 % Group BIIa              | Somany Value                                          | Test Method                                  |
| DIMENSION & SURFACE QUALITY                                                             |                                                               |                                                       |                                                       |                                              |
| Length & Width                                                                          | ± 0.10 %                                                      | ± 0.30 %                                              | ± 0.10 %                                              | IS 13630 Part 1/ISO 10454-2                  |
| Thickness                                                                               | ± 5.0 %                                                       | ±5.0 %                                                | ± 4.0 %                                               |                                              |
| Straightness of Side                                                                    | ± 0.10 %                                                      | ± 0.30 %                                              | ± 0.10 %                                              |                                              |
| Rectengularity                                                                          | ± 0.10 %                                                      | ± 0.30 %                                              | ± 0.10 %                                              |                                              |
| Surface Flatness Maximum deviation in %                                                 |                                                               |                                                       |                                                       |                                              |
| Center Curvature related to diagonal                                                    | ± 0.50 %                                                      | ± 0.40 %                                              | ± 0.20 %                                              |                                              |
| Edge Curvature related to corrsponding side                                             | ± 0.50 %                                                      | ± 0.40 %                                              | ± 0.20 %                                              |                                              |
| Warpage related to diagonal                                                             | ± 0.50 %                                                      | ± 0.40 %                                              | ± 0.20 %                                              |                                              |
| Surface Quality                                                                         | Min. 95 % of tiles will be free from visible defects.         | Min. 95 % of tiles will be free from visible defects. | Min. 95 % of tiles will be free from visible defects. |                                              |
| PHYSICAL PROPERTIES                                                                     |                                                               |                                                       |                                                       |                                              |
| Water Absorption                                                                        | Average 3 %< E <6 %, individual Max 6.2 %                     | 3 < E<6 %, individual Max 6.5 %                       | 3 < E <6 %                                            | IS 13630 Part 2/ ISO 10545-3                 |
| Moisture Expansion in mm/M                                                              | 0.03 Max                                                      | -                                                     | 0.03 Max                                              | IS 13630 Part 3/ISO 10545-                   |
| Modulus of Rupture [N/mm2]                                                              | Av 22 Individual 20 Min                                       | Av 22 Individual 20 Min                               | > 25                                                  | IS 13630 Part 6/ ISO 10545-4                 |
| Breaking Strength in N                                                                  | Min 1000                                                      | Min. 200                                              | Min 1000                                              |                                              |
| Scratch Hardness (Mohs)                                                                 | Min 4                                                         | -                                                     | Min 4                                                 | IS 13630 Part 13                             |
| Resistance to Abrasion of Glazed tiles ( Class I to V )                                 | MIN II                                                        | Report Abrasion Class & Cycle Passed                  | Min III                                               | IS 13630 Part 11/ISO 1045-7                  |
| Coefficient of Linear Thermal Expansion from Ambient Temperature to 1000 C              | 9 x 10 <sup>-6</sup> k <sup>-1</sup> Max                      | Test method Available                                 | Max 8 x 10 <sup>-6</sup> k <sup>-1</sup>              | IS 13630 Part 4/ISO 10545-8                  |
| Thermal Shock Resistance                                                                | 10 Cycle Min                                                  | Test Method Available                                 | 10 cycle Min                                          | IS 13630 Part 5/ISO 10545-9                  |
| Crazing Resistance                                                                      | 4 Cycle @ 7.5 bar Min                                         | Manufacturer to Declared                              | 4 Cycle @ 7.5 bar Min                                 | IS 13630 Part 9/ ISO 10545-11                |
| CHEMICAL PROPERTIES                                                                     |                                                               |                                                       |                                                       |                                              |
| Stain Resistance                                                                        | Min class-1                                                   | Min Class 3                                           | Class 1                                               | IS 13630 Part 8 /ISO 10545-13 & ISO 10545-14 |
| Resistance to household chemicals                                                       | Min class-AA                                                  | Min Class B                                           | Class AA                                              |                                              |
| Resistance to acids and alkalis (with exception of hydrofluoric acid and its compounds) | Required if agreed                                            | Manufacturer to state classification                  | Class A                                               |                                              |

TECHNICAL SPECIFICATIONS

| PACKAGING DETAIL FOR 300x300MM MOROCCAN TILES |               |                            |                         |                          |
|-----------------------------------------------|---------------|----------------------------|-------------------------|--------------------------|
| Nominal Size (mm)                             | Thickness(mm) | Avg.weight per carton(Kgs) | No. of tiles per carton | Coverage area per carton |
| 300x300 (Rectified)                           | 9.0 mm        | 12.30 Kgs.                 | 9 Pcs                   | 0.81sq.mtr./8.72sq.ft.   |

| TECHNICAL SPECIFICATION FOR 300x300MM MOROCCAN TILES                                    |                                                                                                         |                                                                                                         |                                                       |                                              |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------|
| CHARACTERISTICS                                                                         | Requirment as per IS 15622: 2017 E>10, Group BIII                                                       | Requirements as per ISO 13006: 2018 E>10, Group BIII                                                    | Somany Value                                          | Test Method                                  |
| DIMENSION & SURFACE QUALITY                                                             |                                                                                                         |                                                                                                         |                                                       |                                              |
| Length & Width                                                                          | ± 0.20 %                                                                                                | ± 0.30 %                                                                                                | ± 0.1 %                                               | IS 13630 Part 1/ISO 10454-2                  |
| Thickness                                                                               | ± 5.0 %                                                                                                 | ±10.0 %                                                                                                 | ± 4.0 %                                               |                                              |
| Straightness of Side                                                                    | ± 0.15 %                                                                                                | ± 0.30 %                                                                                                | ± 0.1 %                                               |                                              |
| Rectengularity                                                                          | ± 0.20 %                                                                                                | ± 0.30 %                                                                                                | ± 0.2 %                                               |                                              |
| Surface Flatness Maximum deviation in %                                                 |                                                                                                         |                                                                                                         |                                                       |                                              |
| Center Curvature related to diagonal                                                    | ± 0.30 %                                                                                                | ± 0.40 %                                                                                                | ± 0.22 %                                              |                                              |
| Edge Curvature related to corrsponding side                                             | ± 0.30 %                                                                                                | ± 0.40 %                                                                                                | ± 0.22 %                                              |                                              |
| Warpage related to diagonal                                                             | ± 0.30 %                                                                                                | ± 0.40 %                                                                                                | ± 0.22 %                                              |                                              |
| Surface Quality                                                                         | Min. 95 % of tiles will be free from visible defects.                                                   | Min. 95 % of tiles will be free from visible defects.                                                   | Min. 95 % of tiles will be free from visible defects. |                                              |
| PHYSICAL PROPERTIES                                                                     |                                                                                                         |                                                                                                         |                                                       |                                              |
| Water Absorption                                                                        | E ≥ 10 %. (when the value exceeds 20 % this shall be indecated by the manufacturer) Individual Min. 9 % | E ≥ 10 %. (when the value exceeds 20 % this shall be indecated by the manufacturer) Individual Min. 9 % | Avg. 10-20 %                                          | IS 13630 Part 2/ ISO 10545-3                 |
| Modulus of Rupture [N/mm2]                                                              | Min 12                                                                                                  | Average Min 12                                                                                          | Average > 12                                          | IS 13630 Part 6/ ISO 10545-4                 |
| Breaking Strength in N                                                                  | Min 600                                                                                                 | Not Less than 600                                                                                       | Min 600                                               |                                              |
| Scratch Hardness (Mohs)                                                                 | Min 3                                                                                                   | -                                                                                                       | Min 3                                                 | IS 13630 Part 13                             |
| Coefficient of Linear Thermal Expansion from Ambient Temperature to 1000 C              | 9 x 10 <sup>-6</sup> k <sup>-1</sup> Max                                                                | Test method Available                                                                                   | Max 8 x 10 <sup>-6</sup> k <sup>-1</sup>              | IS 13630 Part 4/ISO 10545-8                  |
| Thermal Shock Resistance                                                                | 10 Cycle Min                                                                                            | Test Method Available                                                                                   | 10 cycle Min                                          | IS 13630 Part 5/ISO 10545-9                  |
| Crazing Resistance                                                                      | 4 Cycle @ 7.5 bar Min                                                                                   | Manufacturer to Declared                                                                                | 4 Cycle @ 7.5 bar Min                                 | IS 13630 Part 9/ ISO 10545-11                |
| CHEMICAL PROPERTIES                                                                     |                                                                                                         |                                                                                                         |                                                       |                                              |
| Stain Resistance                                                                        | Min class-1                                                                                             | Required                                                                                                | Class 1                                               | IS 13630 Part 8 /ISO 10545-13 & ISO 10545-14 |
| Resistance to household chemicals                                                       | Min class-AA                                                                                            | Required                                                                                                | Class AA                                              |                                              |
| Resistance to acids and alkalis (with exception of hydrofluoric acid and its compounds) | Required if agreed                                                                                      | Required                                                                                                | Class AA                                              |                                              |





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Water Closets | Basins | Faucets | Showers | Water Heaters | Accessories

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TILES ADHESIVES & GROUTS



### HIGH STRENGTH POLYMER MODIFIED TILE ADHESIVE

#### BENEFITS

- » READY AND EASY TO USE
- » EXCELLENT BONDING WITH ALL SURFACES
- » FAST SETTING
- » SELF-CURING

#### USES

- » FOR FIXING ALL TYPE OF TILES
- » FOR NEW FLOORING AND RENOVATION
- » CAN BE USED FOR TILE ON TILE