



**600x1200MM**  
**ONYX COLLECTION**

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# about us

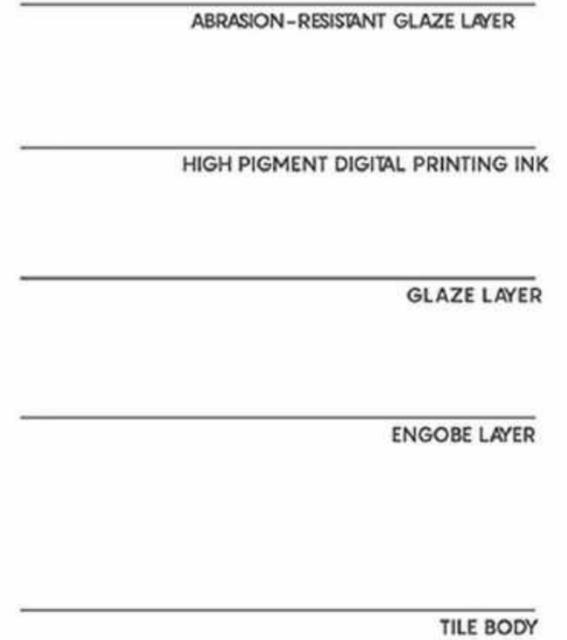
Tiles is one of the leading manufacturers of Glazed vitrified tiles in Morbi, India.

Passion Tiles is known for its different and wide range of surface collections which consist of latest technical properties as well as innovative and unique designs.

Our innovative spirit has helped us to create a diverse market appropriate product range that is an extremely useful tool for architects, interior designers and builders alike, We believe in technological innovations and making tile manufacturing progressively safer and more eco-friendly by offering eco-sustainable ceramic products to the customers.



# TECHNICALLY SUPERIOR SURFACES FOR EFFORTLESS LIVING



## GLAZED VITRIFIED TILES

### TILE BODY

*The finest quality raw materials make up the resilient and robust tile body of Monolith tiles. The raw materials are ethically sourced and sustainably processed.*

### ENGOBE LAYER

*A highly opacious, fusible, and permeable engobe layer makes the second layer of the tiles of Monolith. The layer makes the tiles highly resistant to water absorption for longevity.*

### GLAZE LAYER

*A high-quality glaze coating is added to the engobe layer of the Monolith tiles giving the tile properties of texture and shine and making them ready for design and color.*

### HIGH PIGMENT DIGITAL PRINTING INK

*The monolith surfaces get their unique and versatile properties of the design, color, and more in this stage where digital printing is done on the glaze with high pigment ink for excellent results.*

### ABRASION-RESISTANT GLAZE LAYER

*The most exceptional aspect of Monolith surfaces is their high abrasion-resistant glaze layer which protects the tile's aesthetics, and properties and enhances the functionality of the tiles to a greater extent.*



SURFACES  
FOR EVERY  
SPACE

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APPLICATION AREAS



RESIDENCE



OFFICES



PUBLIC PLACES



SHOPS



HOTELS



MALLS



AIRPORTS

## EASY TO CLEAN

*The superior glaze of the collection makes the surfaces easy to clean and low maintenance.*



## STAIN RESISTANT

*Do not worry about spills and stains with the high stain-resistant glaze of the premium Monolith surfaces.*



## SCRATCH RESISTANT

*Enjoy new-looking surfaces for a very long time with highly scratch and abrasion-resistant surfaces.*



*Enjoy an effortless lifestyle with utilitarian and lifestyle aiding features of the superior surfaces from the GVT Collection. Enjoy spaces easy to clean, resistant to stains, chemicals, frost, and more, and ecological for a better tomorrow.*

## TECHNICAL FEATURES



EASY TO MAINTAIN



UV RESISTANT



WATERPROOF



RESISTANT TO CHEMICALS



RESISTANT TO ACIDS



FROST RESISTANT



PREVENTS BACTERIAL GROWTH



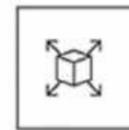
HEAT RESISTANT



FIRE RESISTANT



NON-SLIP



DIMENSIONAL STABILITY



ECOLOGICAL

## It's A Clickable Catalogue



**Tap To Explore Each Product**

Tap on particular product to Explore full size view.



**Tap To Back To Index Page**

Again tap on the Tiles Page To return to the Index page



**42059**



**42062**



**42076**



**42077**



**42078**



**42079**



**42080**



**42081**



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**42419**



**42420**



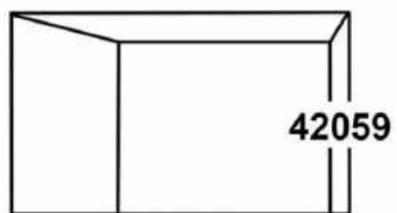
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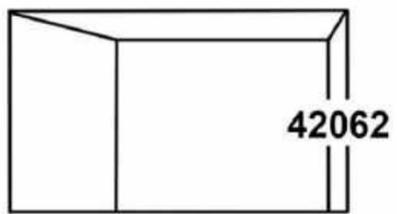


SCAN OR TOUCH  
FOR VIRTUAL

**FINISH** : **GLOSSY**  
**SIZE** : **600X1200MM**  
**THICKNESS** : **8MM**  
**RANDOM** : **3**



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360°

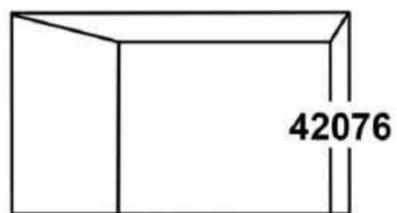
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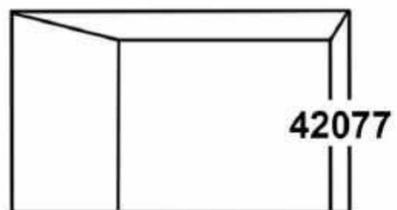
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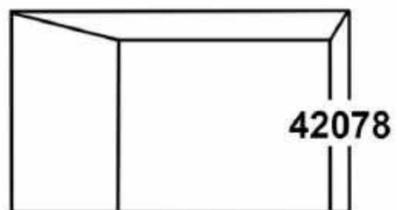


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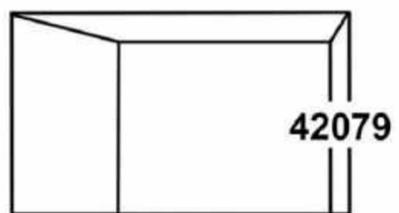
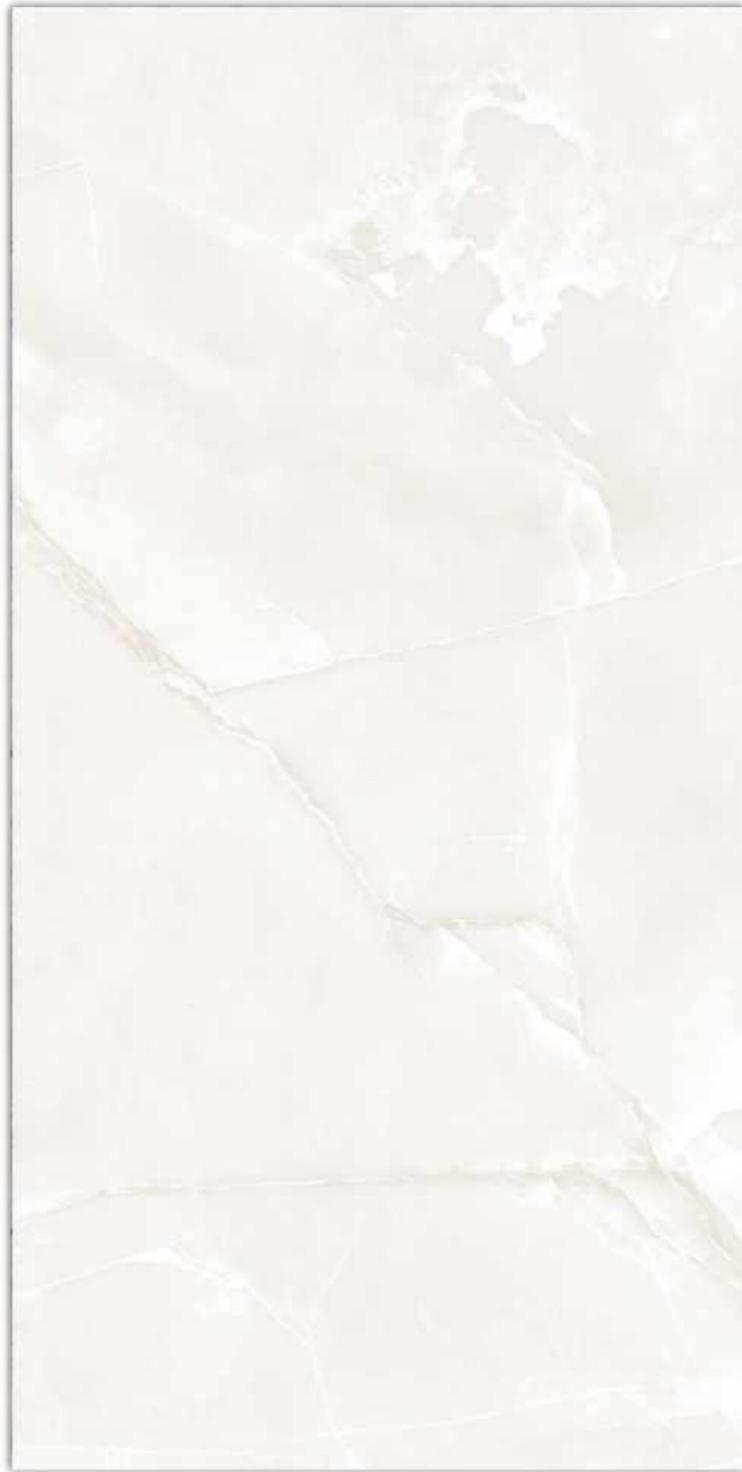
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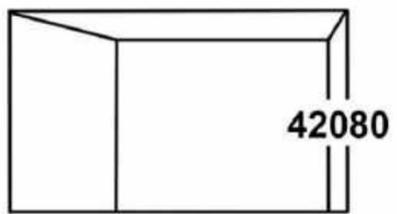


  
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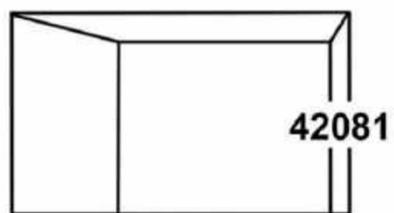


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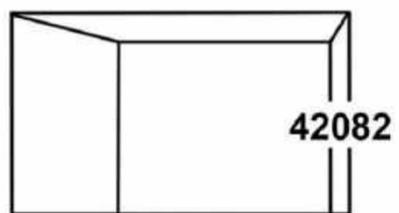


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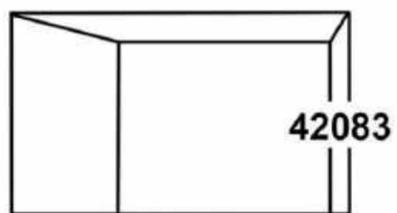
  
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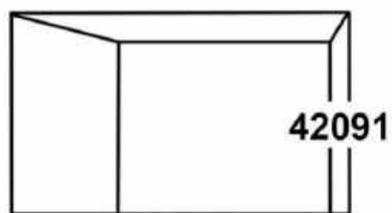


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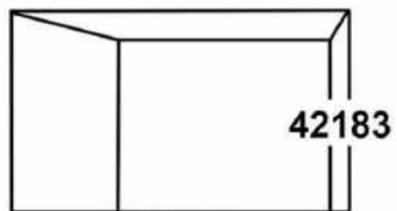


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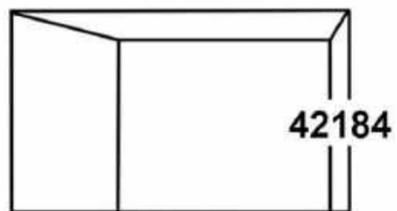
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360°

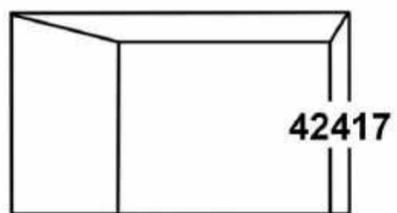
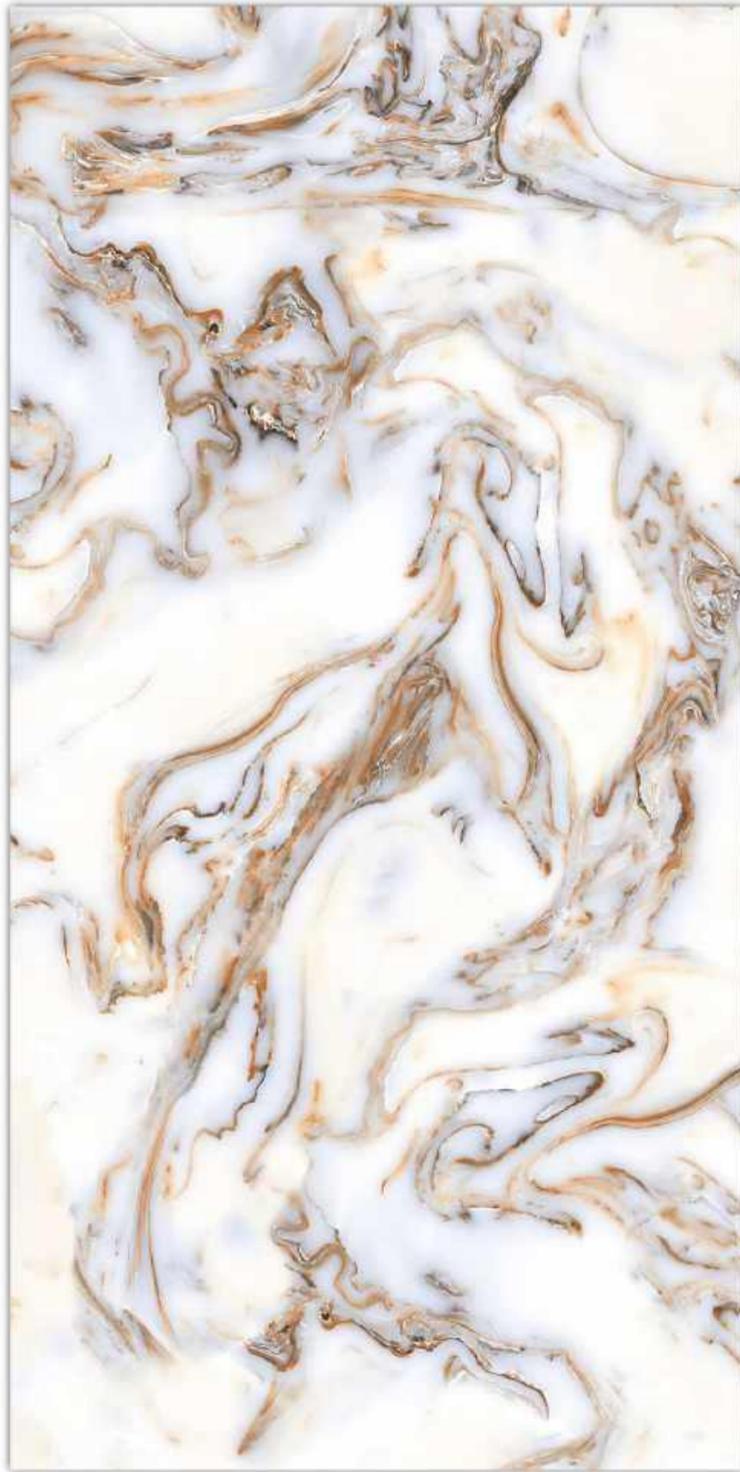
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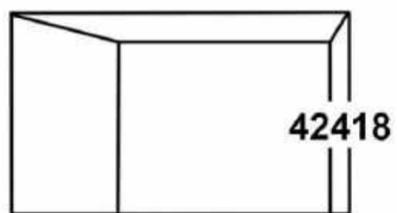
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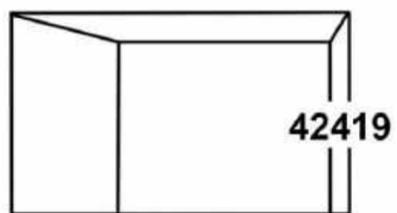
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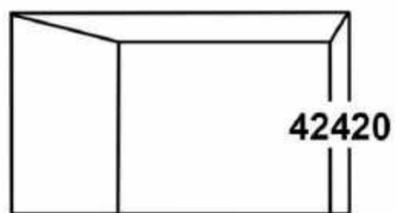


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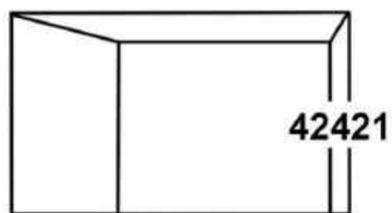


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360°

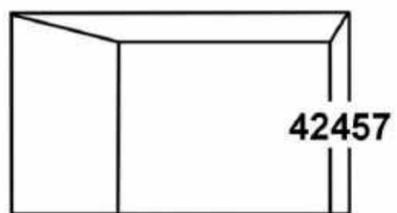
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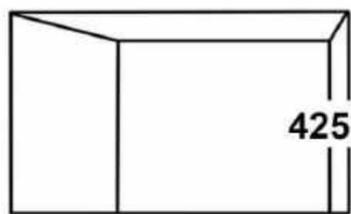


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# TECHNICAL SPECIFICATION

CHARACTERISTIC	STANDARD AS PER ISO-13006/EN14411 GROUP BLA	MEAN VALUE	TEST METHOD
<b>REGULATORY PROPERTIES</b>			
Deviation in Length & Width	±0.5%	±0.1%	ISO-10545-2
Deviation in Thickness	±5.0%	±4.0%	ISO-10545-2
Straightness in Side	±0.5%	±0.1%	ISO-10545-2
Rectangularity	±0.5%	±0.1%	ISO-10545-2
Surface Flatness	±0.5%	±0.2%	ISO-10545-2
Color Difference	Unaltered	No Change	ISO-10545-16
Glossiness (ONLY FOR PGVT)	As Per Mfg.	Min 90%	GLOSSMETER
<b>STRUCTURAL PROPERTIES</b>			
Water Absorption	< 0.50%	< 0.05%	ISO-10545-3
Apparent Density	> 2.0 g/cc	> 2.10 g/cc	DIN 51082
<b>MASSIVE MECHANICAL PROPERTIES</b>			
Modulus of Rupture	Min. 35 N/mm <sup>2</sup>	Min. 40 N/mm <sup>2</sup>	ISO-10545-4
Breaking Strength	Min. 1300 N	Min. 2000 N	ISO-10545-4
Impact Resistance	As Per Mfg.	Min. 0.55	ISO-10545-5
<b>SURFACE MECHANICAL PROPERTIES</b>			
Surface Abrasion Resistance	As Per Mfg.	Min. Class-3	ISO-10545-7
MOH's Hardness	As Per Mfg.	Min. 4	EN 101
<b>THERMO HYGROMETRIC PROPERTIES</b>			
Frost Resistance	No Damage	No Damage	ISO-10545-12
Thermal Shock Resistance	No Damage	No Damage	ISO-10545-09
Moisture Expansion	Nil	Nil	ISO-10545-10
Thermal Expansion (COE)	Max. 9.0 x 10 <sup>-6</sup>	Max. 6.5 x 10 <sup>-6</sup>	ISO-10545-8
Crazing Resistance	As Per Mfg.	Min. 10 Cycle	ISO-10545-11
<b>CHEMICAL PROPERTIES</b>			
Chemical Resistance	No Damage	No Damage	ISO-10545-13
Stain Resistance	Resistance	Resistance	ISO-10545-14
<b>SAFETY PROPERTIES</b>			
Slip Resistance	As Per Mfg.	> 0.40	ISO-10545-17
Fire Resistance	As Per Mfg.	Fireproof	N. A.
Lead & Cadmium Given Off By Glazed Tiles	As Per Mfg.	Does Not Yield Pb & Cd	ISO-10545-15

## PACKING DETAILS

DIMENSION	THICKNESS	PCS/BOX	COVERAGE AREA	BOX WEIGHT
600 X 1200 MM	8.2 MM (APPROX)	2	1.44 SQM.	26.5 KG (APPROX)

**DISCLAIMER:** We tiles reserve the right to deleted and amend either totally or partially, any of the colors, shape, sizes, references and other technical specification contained in this catalogue at anytime. The colors shown of tiles in this catalogue are purely illustrative and limited to printing process. Please refer actual sample before final selection. The details of sizes, colors, references should be verified for typographical errors.