

**CORPORATE OFFICE**

101-103, First Floor, Titanium One, Near Pakwan Cross Roads, S. G. Highway, Ahmedabad – 380 054. Gujarat, INDIA  
**T.** +91-79-29704833, +91-79-61554444 | **E.** info@sunhearrt.com

**MUMBAI OFFICE**

301/A- 3rd Floor, Sri Krishna, Opp. Laxmi Ind. Estate,  
New Link Road, Andheri(W), Mumbai – 400 053.  
**T.** +91-63588 77310 | **E.** mh3@sunhearrt.com

**DELHI / NOIDA OFFICE**

A-17, 2nd Floor, Sector 9,Noida – 201303 (NCR).  
**T.** +91-120-4278530, +91-120-4278560  
**E.** dl2@sunhearrt.com

**BENGALURU OFFICE**

Sai Arcade, Bearing Municipal No. 150, PID No. 50-70-150R.V.  
Road, Vishveshwarpuram, Bangalore – 560 004.  
**T.** +91-95120 00141 | **E.** ka2@sunhearrt.com

**INTERNATIONAL ENQUIRY**

**T.** +91-95120 00351 | **E.** export.vp@sunhearrt.com

TOLL FREE: 1800 233 1012

**E.** info@sunhearrt.com | [www.sunhearrt.com](http://www.sunhearrt.com)



10/22

| **30x60cm**  
| **COLLECTION**  
| **2023**

# EXPRESSION

Digital Wall Tiles

## ABOUT COMPANY

### Path-breaking innovations with a Promise of quality!

Inspired in collection, and unmatched in design; Sunhearrt, a brand by Sunshine Tiles Company Pvt. Ltd., through its novel technology and product introductions, is leading the Ceramic industry to achieve a peerless national and global reputation in becoming a single-stop

solution for any space amplification.

Penetrating the industry with an ever-expanding portfolio, Sunhearrt has now diversified its core strength of Ceramics, and Vitrified tiles into GVT/PVT, Porcelain, Sanitaryware, as well as a range of complete Tiling Solutions.

### Acing interiors by Enhancing spaces!

Fulfilling an array of myriad construction requirements, Sunhearrt crafts high-end products with a keen focus on delivering the best. Prioritising customer satisfaction, we create products that are unique, sustainable, durable, in addition to

being easy to install, maintain, bacteria protected, as well as resistant to fire, heat, and chemicals; making them a preferred choice for designing any space that speaks opulence.

### Company strength and achievements that defines our place in the industry.

 AMONG TOP 10 CERAMIC BRANDS IN INDIA

 LARGEST VITRIFIED TILES PLANT NEAR KANDLA PORT

 14+ SIZES IN 5000+ DESIGNS

 ONE OF THE LARGEST TILE EXPORTERS, CONSECUTIVELY FOR THE LAST 6 YEARS

 1,00,000+ SQM. MANUFACTURING CAPACITY / DAY

 PRESENCE IN 83+ COUNTRIES

 19 PRODUCTION LINES

 THE FIRST COMPANY IN THE CERAMIC INDUSTRY WITH 3-STAR EXPORT HOUSE

 900+ CHANNEL PARTNERS

 INVESTMENTS IN RENEWABLE ENERGY



### Tiles

Flooring the extensions of your dream space, tiles from Sunhearrt are a great addition to every ambience. With their simplistic elegance and finesse, our tiles introduce modernity and grandeur by manufacturing the best alternatives and replacements to natural surfaces. This collection, thence, is the perfect choice for 'architecting' the spectacular!



**EXPRESSION**  
30x60cm

5<sup>TH</sup>  
ELEME-  
NTS

TILE FEATURE  
5TH ELEMENTS

FINISH  
MATT

5e

5th Element  
with Effect



Low Water  
Absorption



Frost  
Resistant



Chemical  
Resistant



Stain  
Resistance



Zero  
Maintenance



Easy to  
Clean



Random  
Design



ALMA BROWN



ALMA BROWN HL 1

5e



ALMA BROWN DK



ALMA BROWN HL 2

5e



LIBERTY BISUIT FL



ALMA BROWN

**EXPRESSION**  
30x  
60cm

TILE FEATURE  
5TH ELEMENTS

FINISH  
MATT



HEZA GREY



PARKER GREY LT



PARKER GREY HL 1



PARKER GREY HL 6



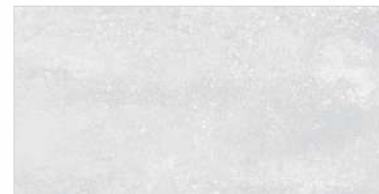
PARKER GREY DK



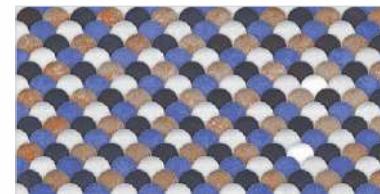
PARKER GREY HL 3



PARKER GREY DK FL



CELESTINE BLUE LT



CELESTINE BLUE HL 1



CELESTINE BLUE HL 3



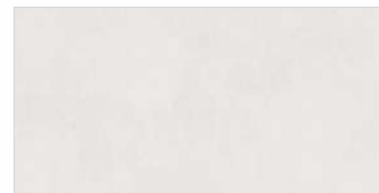
CELESTINE BLUE DK



CELESTINE BLUE HL 2



CELESTINE BLUE DK FL



HEZA GREY LT



HEZA GREY HL 2



HEZA GREY DK



HEZA GREY HL 6



LIBERTY GRIS FL

# EXPRESSION

30x  
60cm

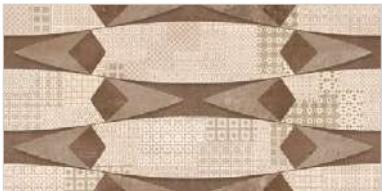
TILE FEATURE  
5TH ELEMENTS

FINISH  
MATT

	5 <sup>th</sup> Element with Effect		Low Water Absorption		Frost Resistant		Chemical Resistant		Stain Resistance		Zero Maintenance		Easy to Clean		Random Design
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GLITZ BROWN LT



GLITZ BROWN HL 1



GLITZ BROWN HL 6



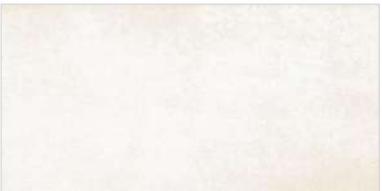
GLITZ BROWN DK



GLITZ BROWN HL 2



GLITZ BROWN DK FL



PARK SILVER LT

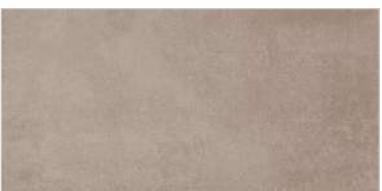


PARK SILVER HL 1



PARK SILVER HL 7 A

5<sup>th</sup>



PARK SILVER DK



PARK SILVER HL 6



PARK SILVER HL 7 B

5<sup>th</sup>



LIBERTY PISATCHIO FL



GLITZ BROWN



PARK SILVER

DIGI  
GLOSSY



**EXPRESSION**  
30x60cm

TILE FEATURE  
DIGI GLOSSY

FINISH  
GLOSSY

Low Water  
Absorption

Frost  
Resistant

Chemical  
Resistant

Stain  
Resistance

Zero  
Maintenance

Easy to  
Clean

Random  
Design



AKITIO AQUA LT



AKITIO AQUA HL 2 A



AKITIO AQUA HL 1



AKITIO AQUA DK



AKITIO AQUA HL 2 B



LIBERTY AQUA GREEN FL



AKITIO AQUA

**EXPRESSION**  
30x  
60cm

TILE FEATURE  
DIGI GLOSSY

FINISH  
GLOSSY



ALACIA BLACK



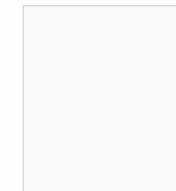
BOMBATO BLANCO LT



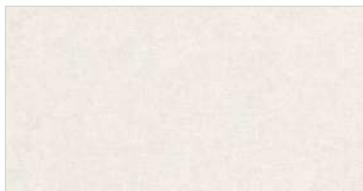
BOMBATO BLANCO HL



BOMBATO BLANCO DK



LIBERTY SM WHITE FL



GLINT GREY LT



GLINT GREY HL 2



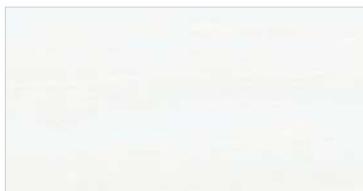
GLINT GREY DK



GLINT GREY HL 3



GLINT GREY DK FL



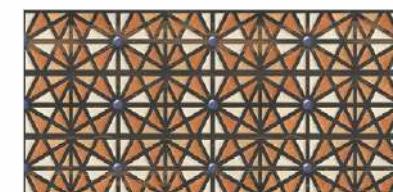
ALACIA BLACK LT



ALACIA BLACK HL 3



ALACIA BLACK DK



ALACIA BLACK HL 2



ALACIA BLACK DK FL



GOLDEN SATVARIO



GOLDEN SATVARIO HL 1



GOLDEN SATVARIO HL 2

**EXPRESSION**  
30x  
60cm

TILE FEATURE  
DIGI GLOSSY

FINISH  
GLOSSY



ARECA BLUE LT



ARECA BLUE HL



ARECA BLUE DK



ARECA BLUE DK FL



Low Water  
Absorption



Frost  
Resistant



Chemical  
Resistance



Stain  
Resistance



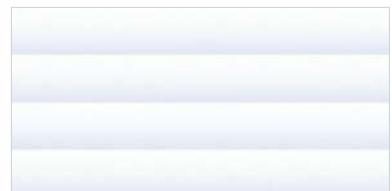
Zero  
Maintenance



Easy to  
Clean



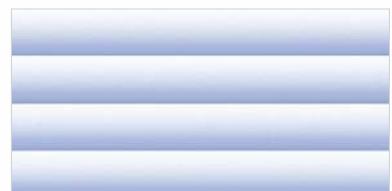
Random  
Design



CARTER BLUE



CARTER BLUE HL A



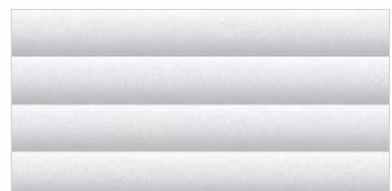
CARTER BLUE DK



CARTER BLUE HL B



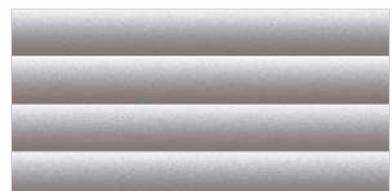
LIBERTY APIC BLUE FL



CARTER GREY



CARTER GREY HL A



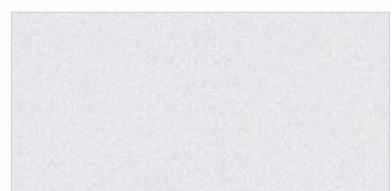
CARTER GREY DK



CARTER GREY HL B



LIBERTY GRIGIO FL



BRILLO NERO LT



BRILLO NERO HL 1



BRILLO NERO DK



BRILLO NERO HL 3



BRILLO NERO DK FL



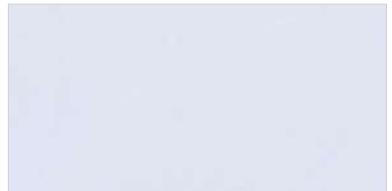
ARECA BLUE

# EXPRESSION

30x  
60cm

TILE FEATURE  
DIGI GLOSSY

FINISH  
GLOSSY



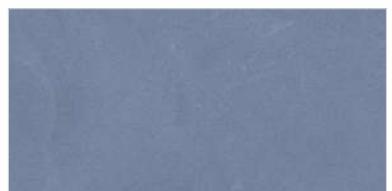
DINARD BLUE LT



DINARD BLUE HL 2 A



DINARD BLUE HL



DINARD BLUE DK



DINARD BLUE HL 2 B



LIBERTY NAVY BLUE FL



CAMIA WOOD LT



CAMIA WOOD HL



VENZA LT



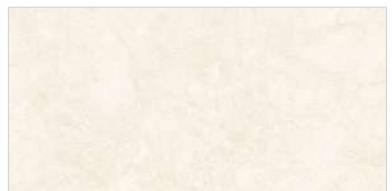
CAMIA WOOD DK



CAMIA WOOD DK FL



VENZA HL



BRUSHY BEIGE LT



BRUSHY BEIGE HL



BRUSHY BEIGE DK



LIBERTY BISUIT FL

- |                      |                 |                    |                  |                  |               |               |
|----------------------|-----------------|--------------------|------------------|------------------|---------------|---------------|
|                      |                 |                    |                  |                  |               |               |
| Low Water Absorption | Frost Resistant | Chemical Resistant | Stain Resistance | Zero Maintenance | Easy to Clean | Random Design |



BRUSHY BEIGE

**EXPRESSION**  
30x  
60cm

TILE FEATURE  
DIGI GLOSSY

FINISH  
GLOSSY



DOROMA WOOD LT



DOROMA WOOD HL A



DOROMA WOOD DK



DOROMA WOOD HL B



DOROMA WOOD DK FL

Low Water Absorption	Frost Resistant	Chemical Resistant	Stain Resistance	Zero Maintenance	Easy to Clean	Random Design



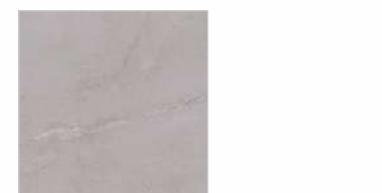
CANFA GREY



CANFA GREY HL 1



CANFA GREY DK



CANFA GREY DK FL



DOROMA WOOD

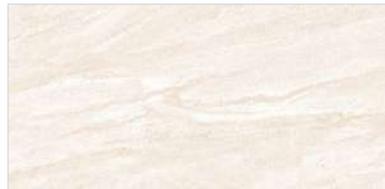


CANFA GREY

**EXPRESSION**  
30x  
60cm

TILE FEATURE  
DIGI GLOSSY

FINISH  
GLOSSY



ELECTRA GOLD



ELECTRA GOLD HL



ELECTRA GOLD DK



ELECTRA GOLD DK FL



GRACIA GRIS



GRACIA GRIS HL



WOODEN NATURAL LT



GRACIA GRIS DK



GRACIA GRIS DK FL



WOODEN NATURAL HL A



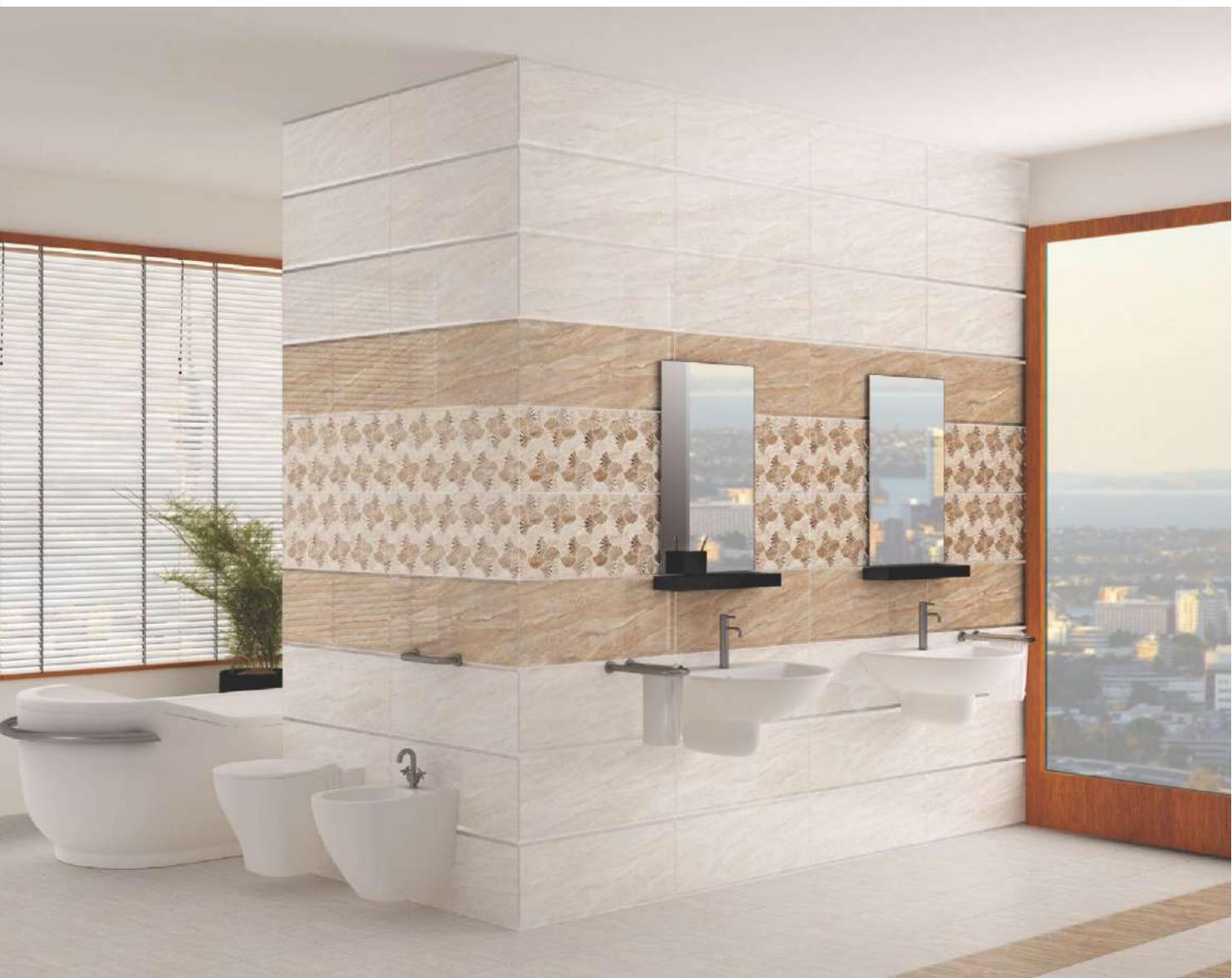
WOODEN NATURAL HL B



WOODEN NATURAL DK



WOODEN NATURAL DK FL



ELECTRA GOLD



ANGELO BEIGE



ANGELO BEIGE HL 2



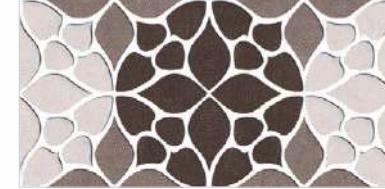
ANGELO BEIGE DK



ANGELO BEIGE DK FL



EUREKA CHARCOAL



EUREKA CHARCOAL HL 1



EUREKA CHARCOAL DK



EUREKA CHARCOAL HL 2

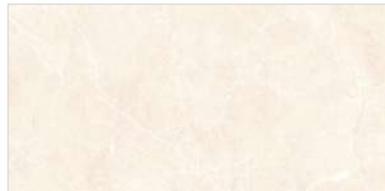


LIBERTY WENGE BROWN FL

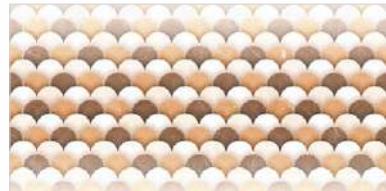
**EXPRESSION**  
30x  
60cm

TILE FEATURE  
DIGI GLOSSY

FINISH  
GLOSSY



FILLETO BROWN LT



FILLETO BROWN HL 1



FILLETO BROWN DK



FILLETO BROWN DK FL



Low Water  
Absorption



Frost  
Resistant



Chemical  
Resistant



Stain  
Resistance



Zero  
Maintenance



Easy to  
Clean



Random  
Design



GLITER GRIGIO LT



GLITER GRIGIO HL



GLITER GRIGIO DK



LIBERTY GRIGIO FL



FILLETO BROWN



FIRENZA WENGUE



FIRENZA WENGUE HL 1



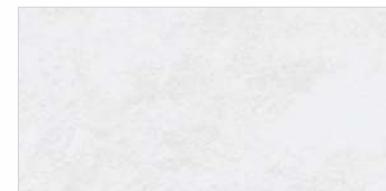
FIRENZA WENGUE DK



FIRENZA WENGUE HL 2



LIBERTY WENGE BROWN FL



FRESIA DOVE



FRESIA DOVE HL 1



FRESIA DOVE DK



FRESIA DOVE HL 2



FRESIA DOVE DK FL

**EXPRESSION**  
30x  
60cm

TILE FEATURE  
DIGI GLOSSY

FINISH  
GLOSSY



JASMIN CREMA



JASMIN CREMA HL 1



LUCCA BIANCO HL



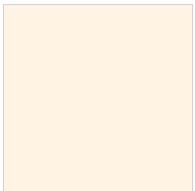
JASMIN CREMA DK



JASMIN CREMA DK FL



LUCCA BIANCO



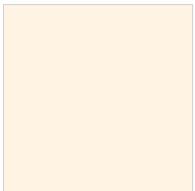
LIBERTY SM IVORY FL



LIGNUM WOOD



LIGNUM WOOD HL 1 A



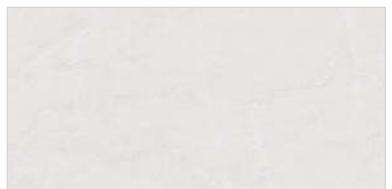
LIGNUM WOOD DK FL



LIGNUM WOOD DK



LIGNUM WOOD HL 1 B



HERMS BEIGE LT



HERMS BEIGE HL 2



LIBERTY BISUIT FL

FINISH  
GLOSSY

Low Water Absorption

Frost Resistant

Chemical Resistant

Stain Resistance

Zero Maintenance

Easy to Clean

Random Design



LINER GREY LT



LINER GREY HL



LINER GREY DK



LIBERTY GRANITE VERDE FL



LINER GREY

**EXPRESSION**  
30x  
60cm

TILE FEATURE  
DIGI GLOSSY

FINISH  
GLOSSY



MARMOLA CARRARA



MARMOLA CARRARA HL 1



MARMOLA CARRARA DK



MARMOLA CARRARA HL 2



MARMOLA CARRARA DK FL



MARMOLA CARRARA



Low Water  
Absorption



Frost  
Resistant



Chemical  
Resistant



Stain  
Resistance



Zero  
Maintenance



Easy to  
Clean



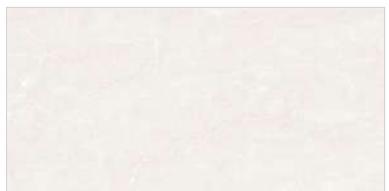
Random  
Design



MANERA BEIGE



MANERA BEIGE HL



PIZARRA COTTO



MANERA BEIGE DK



LIBERTY FUTURA VERDE FL



PIZARRA COTTO HL



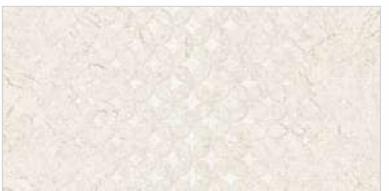
MENORCA LINE



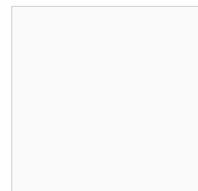
MENORCA LINE HL 1



PIZARRA COTTO DK



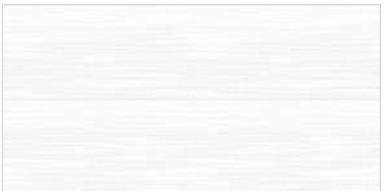
MENORCA LINE HL 2



LIBERTY SM WHITE FL



PIZARRA COTTO DK FL



LYTON PURPLE LT



LYTON PURPLE HL A



LYTON PURPLE DK



LYTON PURPLE HL B



LYTON PURPLE DK FL

# EXPRESSION

30x  
60cm

TILE FEATURE  
DIGI GLOSSY

FINISH  
GLOSSY



MAXICO BROWN



MAXICO BROWN HL 1



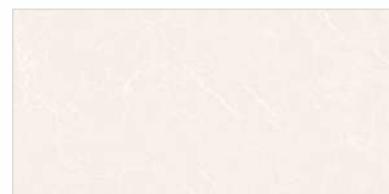
MAXICO BROWN DK



MAXICO BROWN HL 3



MAXICO BROWN DK FL



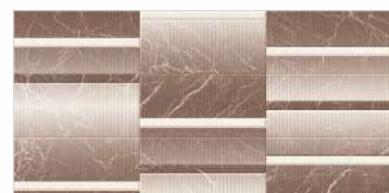
MAXIM CHOCO LT



MAXIM CHOCO HL 1



MAXIM CHOCO DK



MAXIM CHOCO HL 2



MAXIM CHOCO DK FL



MIDAS GREY



MIDAS GREY HL 1



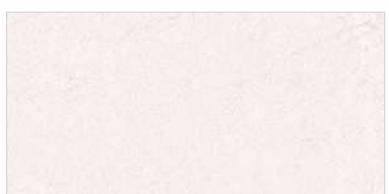
MIDAS GREY DK



MIDAS GREY HL 2



MIDAS GREY DK FL



SPIDER WAVE



SPIDER WAVE HL 1



SPIDER WAVE DK



SPIDER WAVE HL 2



LIBERTY BISUIT FL

**EXPRESSION**  
30x  
60cm

TILE FEATURE  
DIGI GLOSSY

FINISH  
GLOSSY



MILLER GREY LT



MILLER GRAY HL



MILLER GREY DK



LIBERTY GREY FL



NOWE BROWN



NOWE BROWN HL



POMPIDO BEIGE



NOWE BROWN DK



LIBERTY WENGE BROWN FL



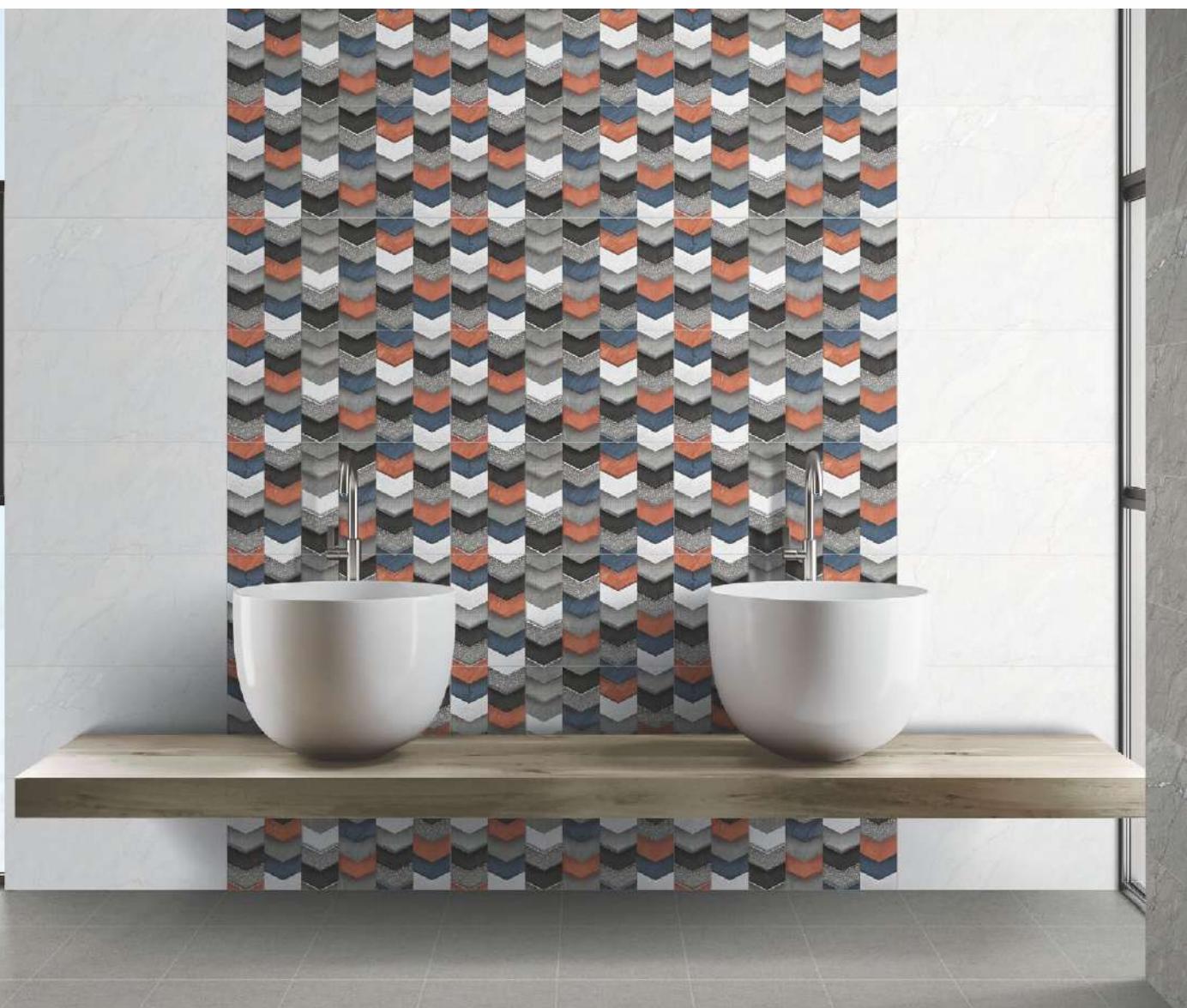
POMPIDO BEIGE HL



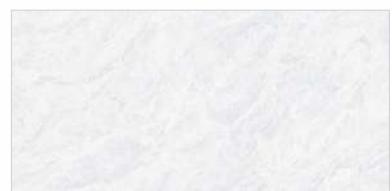
POMPIDO BEIGE DK



LIBERTY FANTA FL



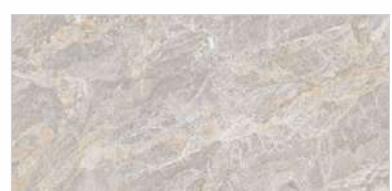
MILLER GREY



ROZAR VERDE



ROZAR VERDE HL



ROZAR VERDE DK



ROZAR VERDE DK FL



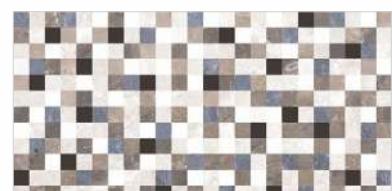
REO GREEN



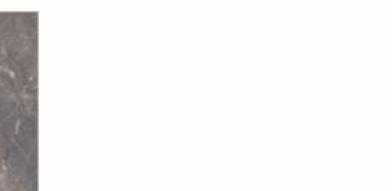
REO GREEN HL 1



REO GREEN DK



REO GREEN HL 2



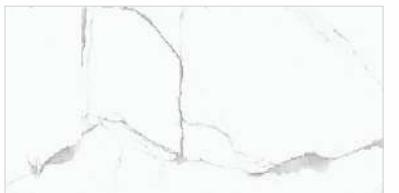
REO GREEN DK FL

# EXPRESSION

30x  
60cm

TILE FEATURE  
DIGI GLOSSY

FINISH  
GLOSSY



PALLADIUM STATUARIO



PALLADIUM STATUARIO HL 1



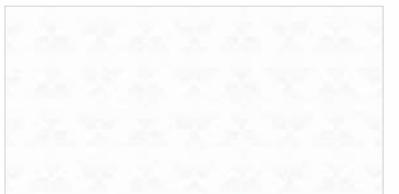
PALLADIUM STATUARIO DK



PALLADIUM STATUARIO HL 3



PALLADIUM STATUARIO DK FL



METRO WHITE



METRO WHITE HL 2



METRO WHITE HL 1



METRO WHITE HL 3



ASTORIA TRAVERTINO



ASTORIA TRAVERTINO HL



LIBERTY SM IVORY FL



Low Water  
Absorption



Frost  
Resistant



Chemical  
Resistant



Stain  
Resistance



Zero  
Maintenance



Easy to  
Clean



Random  
Design



PERA BLUE



PERA BLUE HL 1



PERA BLUE HL 2 A



PERA BLUE DK



PERA BLUE HL 3



PERA BLUE HL 2 B



PERA BLUE DK FL



PERA BLUE

**EXPRESSION**  
30x  
60cm

TILE FEATURE  
DIGI GLOSSY

FINISH  
GLOSSY



RIOS GREY LT



RIOS GREY HL



RIOS GREY DK



RIOS GREY DK FL



Low Water Absorption



Frost Resistant



Chemical Resistant



Stain Resistance



Zero Maintenance



Easy to Clean



Random Design



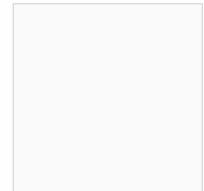
SATVARIO



SATVARIO GREY



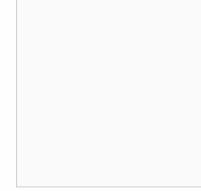
SATVARIO HL



LIBERTY SM WHITE FL



SATVARIO GREY HL



LIBERTY SM WHITE FL



RIOS GREY



SATVARIO GREY

**EXPRESSION**  
30x  
60cm

TILE FEATURE  
DIGI GLOSSY

FINISH  
GLOSSY



TIMELESS AZUR



TIMELESS AZUR HL 1



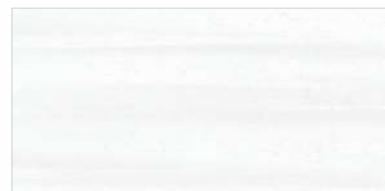
TIMELESS AZUR DK



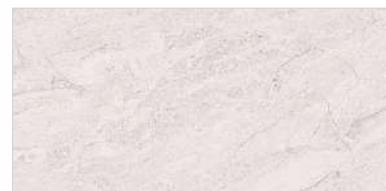
TIMELESS AZUR HL 2



TIMELESS AZUR DK FL



AUXEN BLANCO LT



TULIP MINT



AUXEN BLANCO HL 1 A



TULIP MINT DK



AUXEN BLANCO HL 1 B



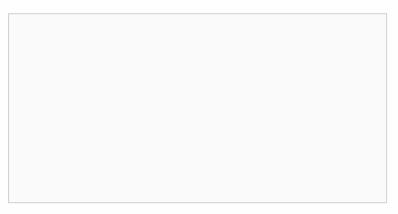
TULIP MINT HL



TULIP MINT DK FL

TILE FEATURE  
REGULAR GLOSSY

FINISH  
GLOSSY



WHITE GLOSSY

FINISH  
GLOSSY

**SUNHEARRT**  
CERAMIK

DIGI  
MATT



**EXPRESSION**  
30x60cm

**EXPRESSION**  
30x  
60cm

TILE FEATURE  
DIGI MATT

FINISH  
MATT



ARENA BLUE



ARENA BLUE HL 1



ARENA BLUE DK



ARENA BLUE HL 2



LIBERTY NAVY BLUE FL



Low Water  
Absorption



Frost  
Resistant



Chemical  
Resistant



Stain  
Resistance



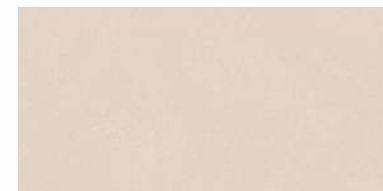
Zero  
Maintenance



Easy to  
Clean



Random  
Design



FELIZE BEIGE



FELIZE BEIGE HL 2



BELLINI VERDE



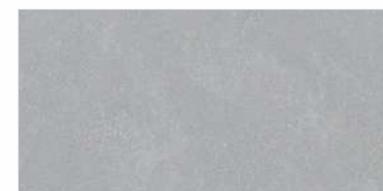
FELIZE BEIGE HL



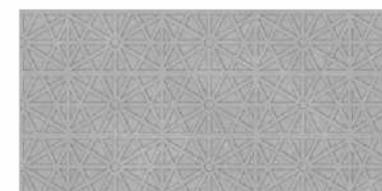
LIBERTY PISATCHIO FL



BELLINI VERDE HL 1



FELIZE GREY



FELIZE GREY HL 2



ALBANO WOOD



FELIZE GREY HL



LIBERTY GREY FL



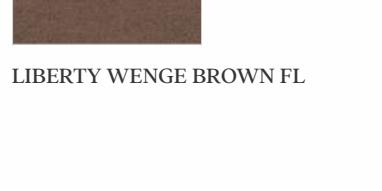
ALBANO WOOD HL



SIENA BLANCO



SIENA HL 4 A



LIBERTY WENGE BROWN FL



SIENA SILVER



SIENA HL 4 B



LIBERTY GRIGIO FL



ARENA BLUE

**EXPRESSION**  
30x  
60cm

TILE FEATURE  
DIGI MATT

FINISH  
MATT



DIZZY CREMA



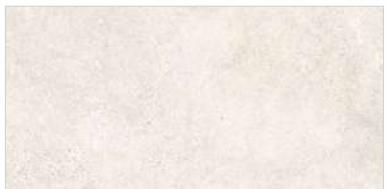
DIZZY CREMA HL 1



DIZZY CREMA FL



DIZZY CREMA HL 2



COTTA BEIGE



COTTA BEIGE HL



COTTA BEIGE DK



LIBERTY OLIVE GREEN



CENEZIA WOOD



CENEZIA TEAKWOOD HL



CENEZIA TEAKWOOD



CENEZIA TEAKWOOD HL 2



CENEZIA TEAKWOOD FL



Low Water  
Absorption



Frost  
Resistant



Chemical  
Resistant



Stain  
Resistance



Zero  
Maintenance



Easy to  
Clean



Random  
Design



GEO BEIGE



GEO BEIGE HL 1 A



GEO BEIGE HL 1 B



LIBERTY BISUIT FL



NORTHEN BROWN



NORTHEN BROWN HL



NORTHEN BROWN DK



LIBERTY WENGE BROWN FL



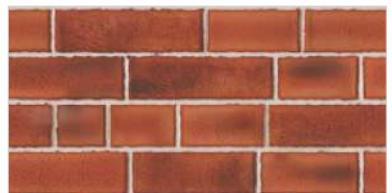
NORTHEN BROWN

# EXPRESSION

30x  
60cm

TILE FEATURE  
DIGI MATT

FINISH  
MATT



BALESTA RED



BALESTA RED HL



TRAVENTINO IVORY



BERLINIA IVORY



TRAVENTINO IVORY HL



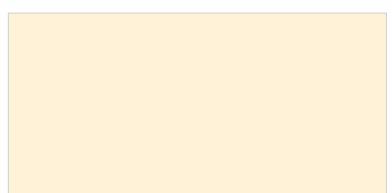
LIBERTY SM IVORY FL



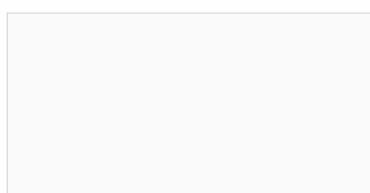
BERLINIA WENGE

TILE FEATURE  
REGULAR MATT

FINISH  
MATT



SM IVORY



SM WHITE

DEEP  
PUNCH

EXPRESSION  
30x60cm

**EXPRESSION**  
30x  
60cm

TILE FEATURE  
DEEP PUNCH  
SERIES

FINISH  
RUSTIC



ARCTIC VERDE



ARCTIC NERO



BRIKO WHITE



BRIKO NATURAL



BRIKO PIZARE



ITARIA GIALLO



ITARIA GRIGIO



ITARIA VERDE



ITARIA MARRONE

## TECHNICAL SPECIFICATION

SR. No.	Characteristics	IS 15622 :2017 Group BIII	EN 14411 :2016 Group BIII	Test method	SUNHEARRT VALUE
<b>A DIMENSION &amp; SURFACE QUALITY</b>					
I	Length & Width	± 0.2%	±0.5%	ISO 10545-2	± 0.1%
II	Thickness	± 5.0%	±10%		± 4%
III	Straightness of Side	± 0.15%	±0.3%		± 0.1%
IV	Rectangularity	± 0.2%	± 0.5%		± 0.1%
V	Surface Flatness				
a	Center curvature (%)	± 0.3 %	+0.5%,-0.3%		± 0.2 %
b	Edge curvature (%)	± 0.3 %	+0.5%,-0.3%		± 0.2 %
c	Corner warpage (%)	± 0.3 %	± 0.5%		± 0.2 %
VI	Surface Quality	Min. 95 % of tiles will be free from visible defects	Min. 95 % of tiles will be free from visible defects		Min. 98 % of tiles will be free from visible defects
<b>B PHYSICAL PROPERTIES</b>					
I	Water Absorption	E > 10 %	E >10%	ISO 10545-3	Av. 19-20
II	Modulus of Rupture [N/mm <sup>2</sup> ]	Av. >15 Thickness < 7.5. AV >12 Thickness ≥7.5	Av. >12 Thickness ≥7.5 AV >15 Thickness < 7.5	ISO 10545-4	>16
III	Breaking Strength in N	Av. > 600 Thickness ≥7.5 AV < 200 Thickness < 7.5	Av. >600 Thickness ≥7.5 AV > 200 Thickness < 7.5	ISO 10545-4	>600
IV	Moisture Expansion in mm/m	0.04	0.06% / 0.6mm / m	ISO 10545-10	0.04 Max.
V	Scratch Hardness	Min 3	Not A requirement	IS 13630-13	Min Class 3
VI	Coefficient of linear thermal expansion from ambient temperature to 100 °C	9 X 10 -6 K-1 max	9 X 10 -6 K-1 max	ISO 10545-8	9 X 10 -6 K-1 max
VII	Thermal Shock Resistance	10 Cycle Passed	10 cycle min	ISO 10545-9	10 cycle min
VIII	Crazing Resistance	2 Cycle (@ 5 bar)	2 Cycle (@ 5 bar)	ISO 10545-11	4 cycle passed
<b>C CHEMICAL PROPERTIES</b>					
I	Stain Resistance	Min Class 3	Min Class 3	ISO 10545-14	Class 1
II	Resistance to household chemicals	Class AA	Min Class B	ISO 10545-13	Class AA

## PACKING DETAILS

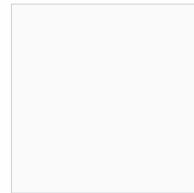
S.No.	SIZE	PIECES / BOX	COVERAGE AREA / BOX		WEIGHT / BOX
1	30X60cm (EXPRESSION)	5pcs	9.69 Sq. ft.	0.9 sq. meter	14 kg
2	30X30cm (FL)	9pcs	8.72 Sq. ft.	0.81 sq. meter	10.9 kg

Note: Color shown in catalog may vary with the original tile. Slight shade & size variation is an inherent property of ceramic / Vitrified tiles.

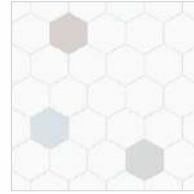
30x  
30cm

TILE FEATURE  
REGULAR MATT  
DIGITAL RUSTIC

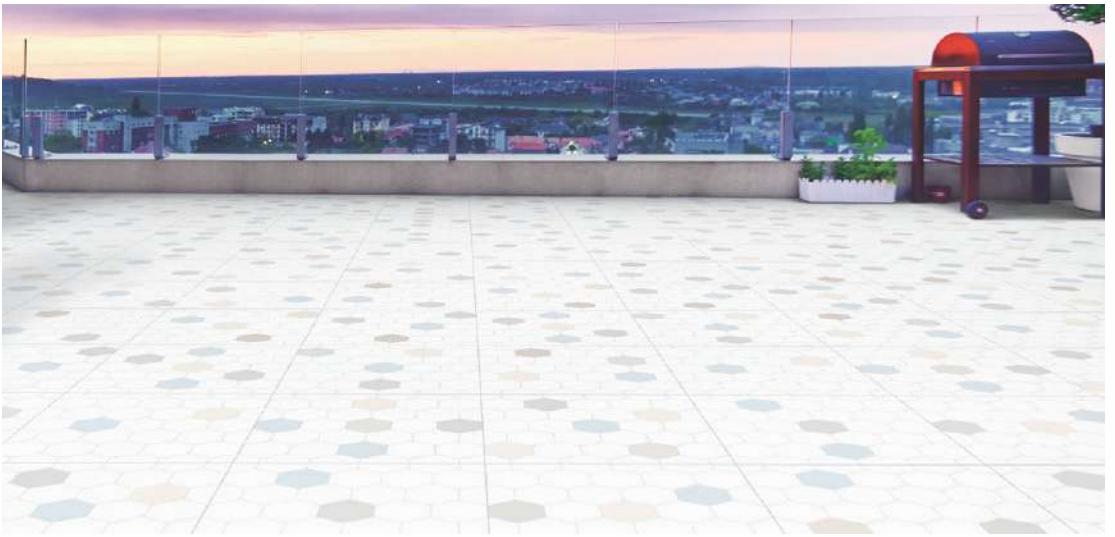
FINISH  
MATT &  
RUSTIC



ROOF WHITE



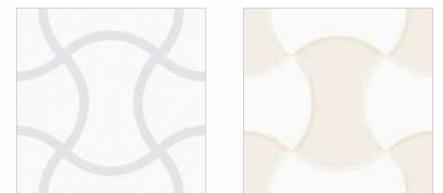
ARMANO WHITE



ARMANO WHITE

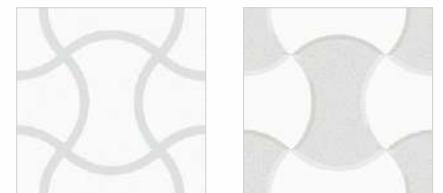


MAZE GRIGIO



MAZE SKY BLUE

DORATO BEIGE



MAZE GRIGIO

DORATO GRIGIO



MEDRID BROWN



TROVETTA BEIGE



MEDRID SKY BLUE



TROVETTA GRIGIO



TROVETTA BEIGE

## TECHNICAL SPECIFICATION

SR. No.	Characteristics	IS 15622 :2018 Group BIII	EN 14411 :2016 Group BIII	Test method	SUNHEARRT VALUE
<b>A Dimension &amp; Surface Quality</b>					
I	Length & Width	± 0.2%	±0.5%	ISO 10545-2	± 0.1%
II	Thickness	± 5.0%	±10%		± 4%
III	Straightness of Side	± 0.15%	±0.3%		± 0.1%
IV	Rectangularity	± 0.2%	± 0.5%		± 0.1%
V	Surface Flatness				
a	Center curvature (%)	± 0.3 %	+0.5%,-0.3%		± 0.2 %
b	Edge curvature (%)	± 0.3 %	+0.5%,-0.3%		± 0.2 %
c	Corner warpage (%)	± 0.3 %	± 0.5%		± 0.2 %
VI	Surface Quality	Min. 95 % of tiles will be free from visible defects	Min. 95 % of tiles will be free from visible defects		Min. 98 % of tiles will be free from visible defects
<b>B Physical Properties</b>					
I	Water Absorption	E > 10 %	E >10%	ISO 10545-3	Av. 19-20
II	Modulus of Rupture [N/mm <sup>2</sup> ]	Av. >15 Thickness< 7.5. AV >12 Thickness <7.5	Av. >12 Thickness 7.5 AV >15 Thickness <7.5	ISO 10545-4	>16
III	Breaking Strength in N	Av. > 600 Thickness 7.5 AV< 200 Thickness <7.5	Av. >600 Thickness 7.5 AV >200 Thickness <7.5	ISO 10545-4	>600
IV	Moisture Expansion in mm/m	0.04	0.06% / 0.6mm / m	ISO 10545-10	0.04 Max.
V	Scratch Hardness	Min 3	Not A requirement	IS 13630-13	Min Class 3
VI	Coefficient of linear thermal expansion from ambient temperature to 100°C	9 X 10 <sup>-6</sup> K-1 max	9 X 10 <sup>-6</sup> K-1 max	ISO 10545-8	9 X 10 <sup>-6</sup> K-1 max
VII	Thermal Shock Resistance	10 Cycle Passed	10 cycle min	ISO 10545-9	10 cycle min
VIII	Crazing Resistance	2 Cycle (@ 5 bar))	2 Cycle (@ 5 bar))	ISO 10545-11	4 cycle passed
<b>C Chemical Properties</b>					
I	Stain Resistance	Min Class 3	Min Class 3	ISO 10545-14	Class 1
II	Resistance to household chemicals	Class AA	Min Class B	ISO 10545-13	Class AA

## PACKING DETAILS

S.No.	SIZE	PIECES / BOX	COVERAGE AREA / BOX		WEIGHT / BOX
1	30X30cm (Roof Tiles)	10pcs	9.69 Sq. ft.	0.9 sq. meter	14.4 kg

Note: Color shown in catalog may vary with the original tile. Slight shade &amp; size variation is an inherent property of ceramic / Vitrified tiles.