Xmonica

The Italian Brand Tiles



Let the *Italian* spectacles of exoticness make a statement of intent with their allure on behalf of your

style and decor



INCEPTED BY ITALIANS

Established in 2009, **X Monica** by **X Ceramics Group (XCG)**, is Bangladesh's premier tile brand. **X Monica** has created a niche for itself in the Bangladesh's tile market with its exceptional product offerings. The application potential of **X Monica** ranges from the most luxurious residences to the most futuristic commercial spaces.

X Monica's motto has always been innovation, product quality and Customer service with the perfect amount of focus on research, production and customer interaction. To Cope up with the trends and improve our own products, we continuously challenge ourself. We take pride in introducing new technologies, which improve the products and inspire the industry to rise to the standards set by us. This very desire to innovate and execute gives us the opportunity to serve our customers better in terms of product quality as well as service.

X Monica has time and again proven to be above the expectations of developers, designers, architects and homemakers across Bangladesh.
X Monica takes pride in delivering international quality products to the people of Bangladesh with its motivation to innovate and excel at the forefront. Our goal is to continue to break stereotypes and set new benchmarks in the industry for many more years to come.

Xmonica
The Italian Brand Tiles



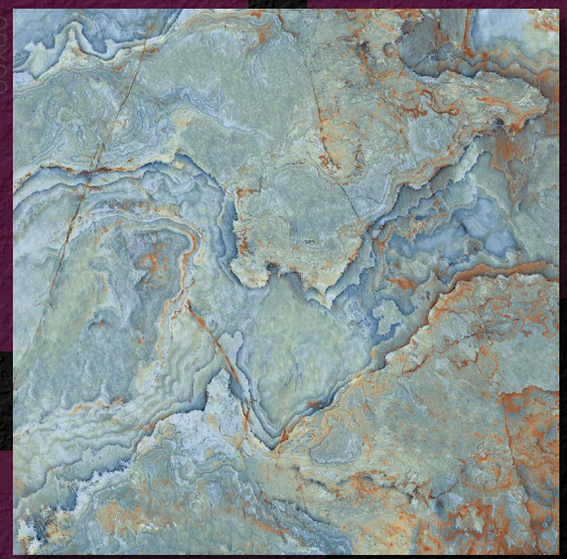
FLOOR TILES

60x120

60x60

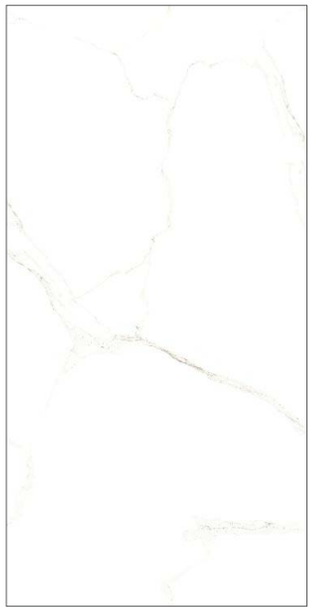
80x80

40x40



NANO MIRROR POLISHED TILES | GLOSSY

Floor | Size: 60x120

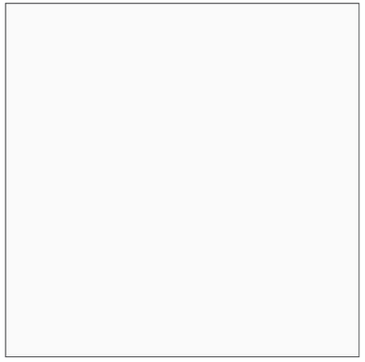


XGVT 6012015



NANO MIRROR POLISHED TILES | GLOSSY

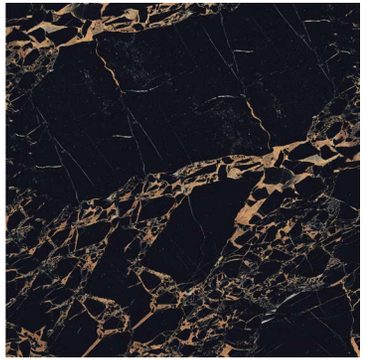
Floor | Size: 80x80



XGVT 8800

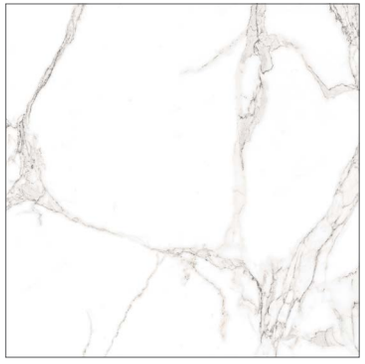


XGVT 8802



XGVT 8803

XGVT 8804



XGVT 8805



XGVT 8807

NANO MIRROR POLISHED TILES

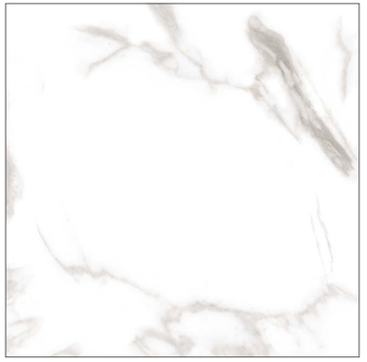


NANO MIRROR POLISHED TILES | GLOSSY

Floor | Size: 80x80



XGVT 8808



XGVT 8809



XGVT 8810



XGVT 8811



XGVT 8812



XGVT 8813

NANO MIRROR POLISHED TILES | GLOSSY

Floor | Size: 80x80



XGVT 8814



XGVT 8815

NANO MIRROR POLISHED TILES | MATT

Floor | Size: 80x80



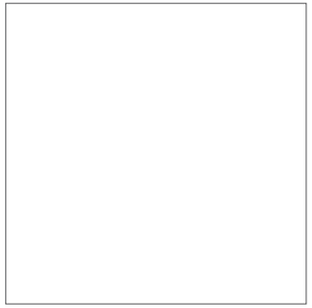
XMAT 8830

NANO MIRROR POLISHED TILES | MATT

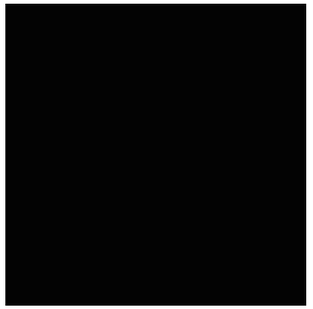


NANO MIRROR POLISHED TILES | GLOSSY

Floor | Size: 60x60



XGVT 6638



XGVT 6639



XGVT 6646



XGVT 6647



XGVT 6664



XGVT 6665



XGVT 6670



XGVT 6672



XGVT 6674

NANO MIRROR POLISHED TILES



NANO MIRROR POLISHED TILES | GLOSSY

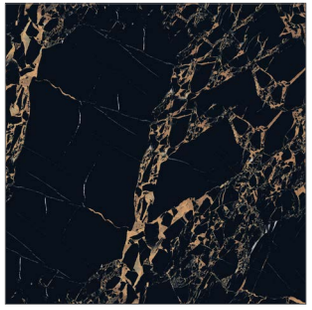
Floor | Size: 60x60



XGVT 6687



XGVT 6689



XGVT 6690



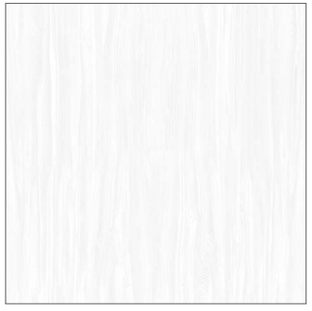
XGVT 6691



XGVT 6694



XGVT 6695



XGVT 6696

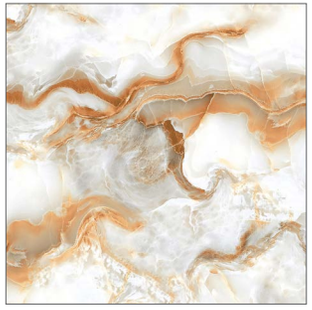


XGVT 6698



XGVT 6699

NANO MIRROR POLISHED TILES



XGVT 66100

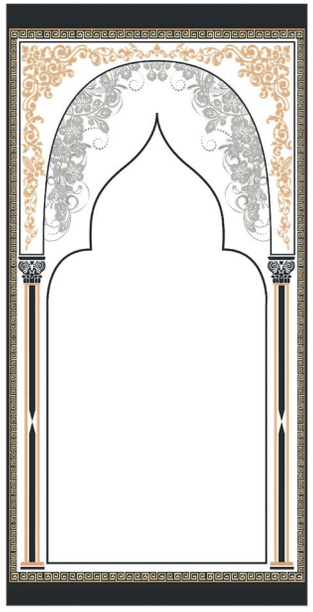


NANO MIRROR POLISHED TILES | GLOSSY

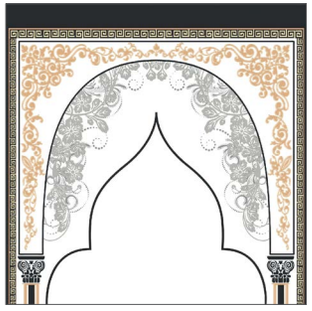
Floor | Size: 60x60

JAYNAMAZ TILES

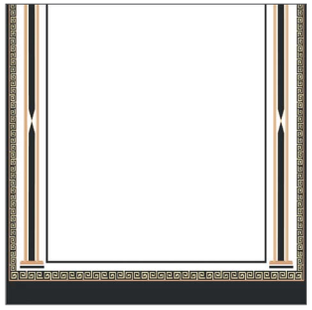
60x120



XGVT 12060



XGVT 6667 1

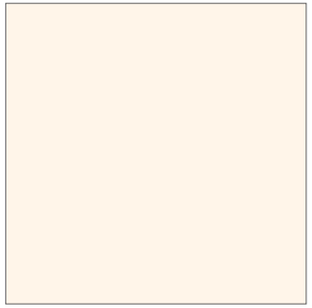


XGVT 6667 2

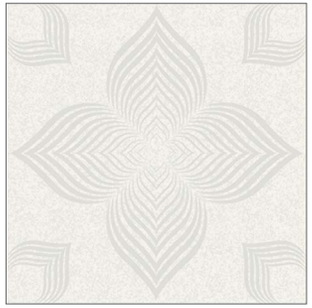


SOLUBLE SALT | GLOSSY

Floor | Size: 60x60



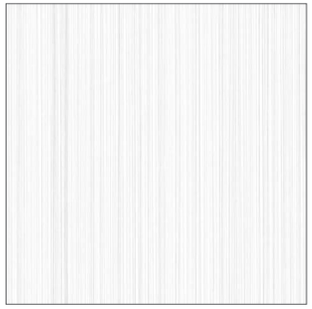
XSS 6610



XSS 6622



XSS 6623



XSS 6625



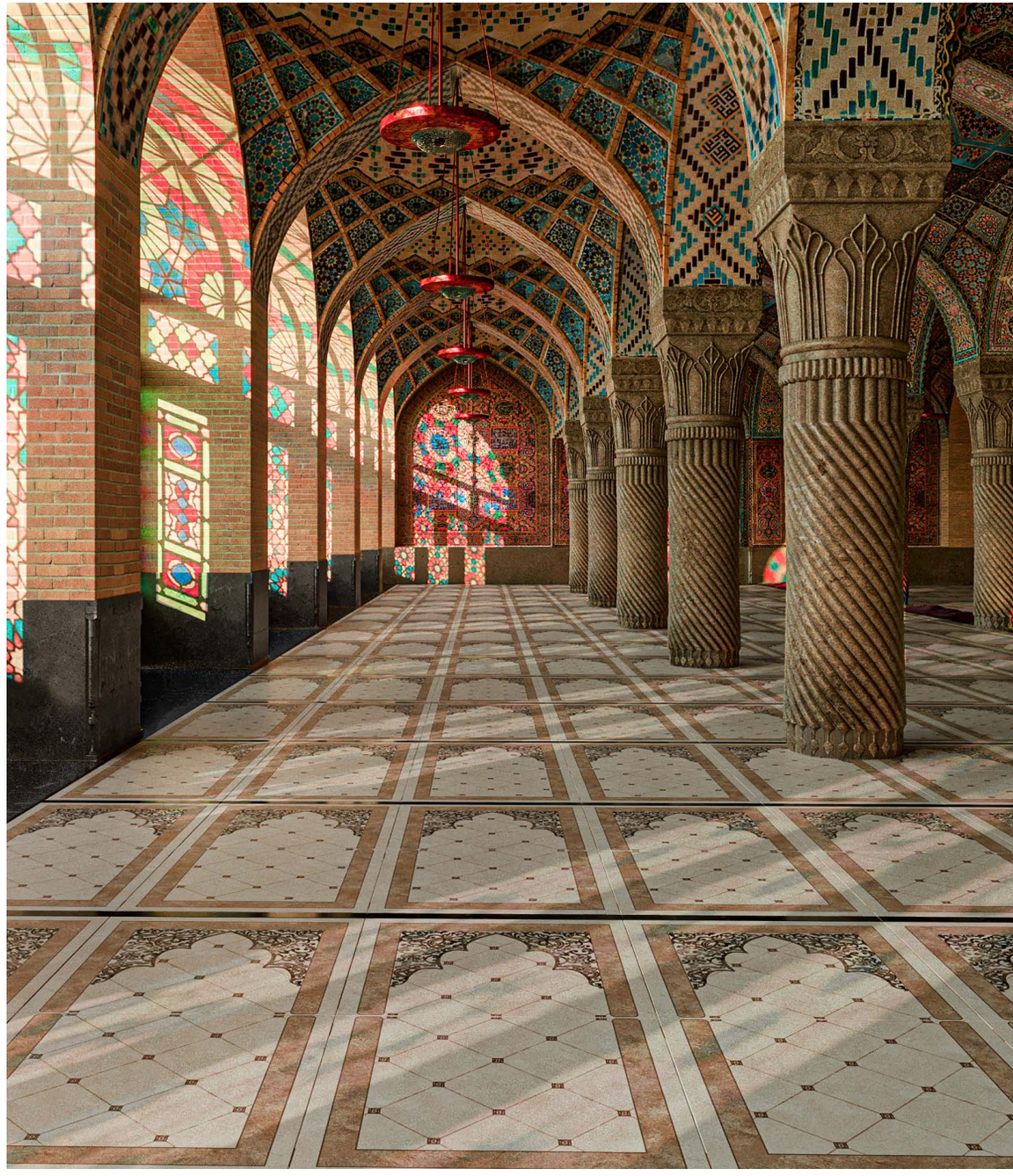
GERMI PROOF TILES

Floor | Size: 60x60

Antimicrobial Technology
Jaynamaz | Matt

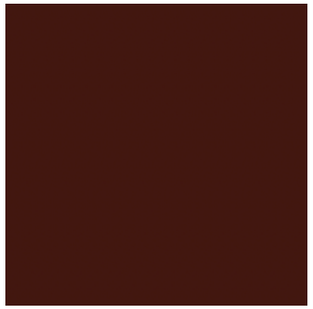


XGPJ 67001/2

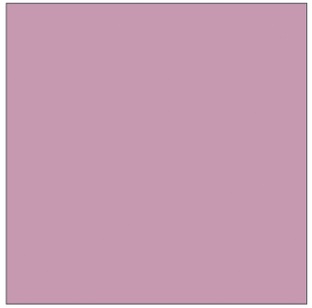


GERMI PROOF SOLIDO | GLOSSY

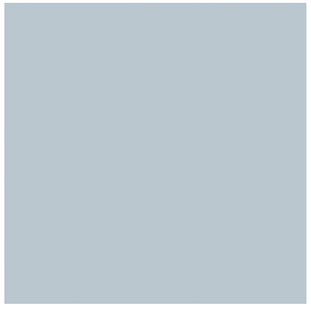
Floor | Size: 60x60



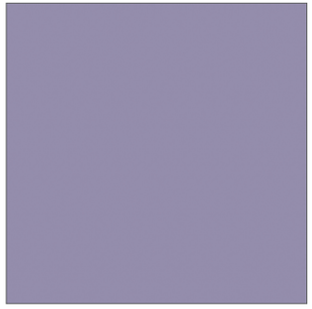
XRGNP 660001 MA



XRGNP 660002 PK



XRGNP 660003 SB



XRGNP 660004 PR

GERMI PROOF SOLIDO



ROYAL WOOD | MATT

Floor | Size: 60x60

XRS 66600



XRS 66602



XRS 66604



XRS 66605



ROYAL PLANK | MATT

Floor | Size: 15x60

XRS 15600



XRS 15601



XRS 15602



XRS 15603



XRS 15604



XRS 15605



TRANSPARENT GLAZE | GLOSSY

Floor | Size: 40x40



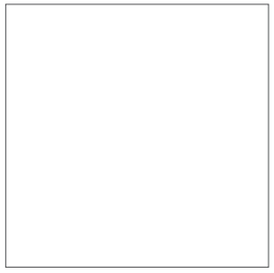
XTG 4443



XTG 4444



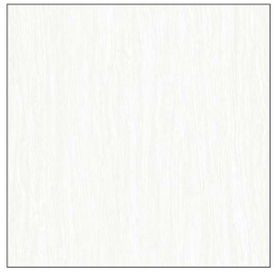
XTG 4447



XTG 4450



XTG 4453



XTG 4487



HOMOGENEOUS
Floor | Size: 60x60,30x60. 40x40, 30x30

Size: 60x60

X 6600 (OFF WHITE)

XGS 6300(OFF WHITE)

Size: 40x40

XGN 4400 (OFF WHITE)



XGN 4402 (PINK)



XGN 4403 (GREEN)

Size: 30x30

XG 3300
(OFF WHITE)



XG 3302 (PINK)



XG 3303 (GREEN)

HOMOGENEOUS
Floor & Stair | Size: 30x30

Size: 30x30

XG 3300 BP
OFFWHITE

XG 3300 SP
OFF WHITE



XG 3302 BP
PINK



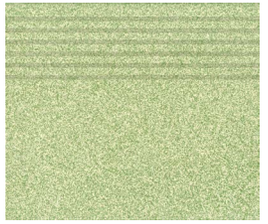
XG 3302 SP
PINK

Size: 30x26

XGS 3600 (OFF WHITE)



XGS 3602 (PINK)



XGS 3603 (GREEN)

STONE SHIELD | MATT

Floor | Size: 60x120

XST 6012014



XSSD 60120 DCH



STONE SHIELD | MATT

Floor | Size: 60x60



XST 6000



XST 6003



XST 6004



XST 6013



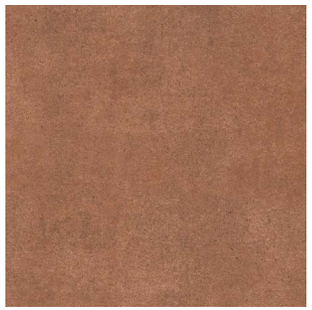
XST 6005



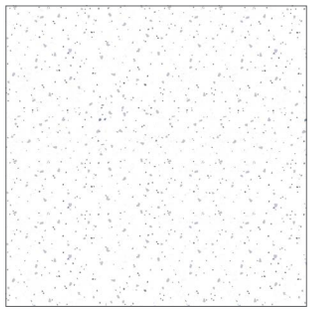
XST 6007



XST 6009



XST 6010



XST 6011



XST 6012

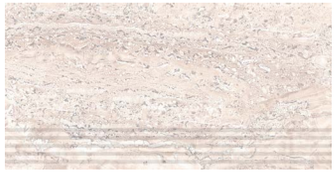


STONE SHIELD STEP | MATT

Stair | Size: 30x60



XSTP 6321



XSTP 6322



XSTP 6341



XSTP 6342

XSTP 6343

XSTP 6344

XSTP 6300



XSTP 6301

STONE SHIELD STEP



STONE SHIELD | MATT

Floor | Size: 40x40



XST 4101



XST 4102



XST 4104

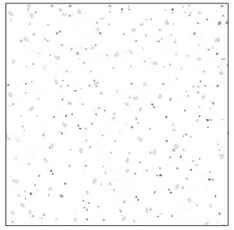


XST 4106

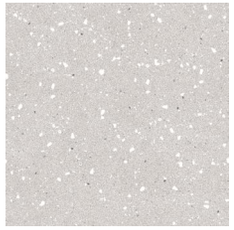


STONE SHIELD | MATT

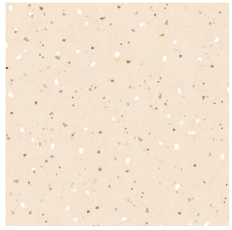
Floor | Size: 30x30



XST 3001



XST 3002



XST 3003



XST 3004

XST 33021

XST 33022



XST 33023

XST 33024

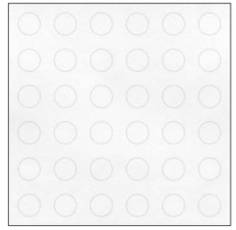
XST 33025

TEMP CONTROL | MATT

Floor | Size: 30x30



XCR 33001

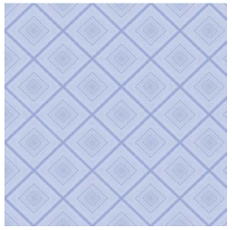


XCR BP 33010



ANTI SLIP | MATT
Floor | Size: 30x30


XHDF 3322 (AS)


XHDF 3323 (AS)


XHDF 3340 (AS)

XHDF 3350 (AS)


XHDF 3357 (AS)


XHDF 3374D (AS)


XAS 331004


XAS 331010


XAS 331014


XHDF 33135 (AS)

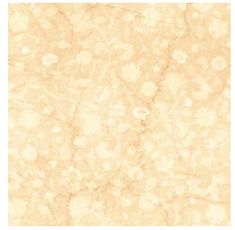

XHDF 33143 (AS)


XHDF 33144 (AS)

ANTI SLIP | MATT
Floor | Size: 30x30


XHDF 33086 (AS)


XHDF 33087 (AS)


XHDF 33092 (AS)



OUTDOOR | MATT

Floor | Size: 30x30



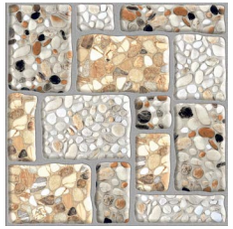
XOD 350



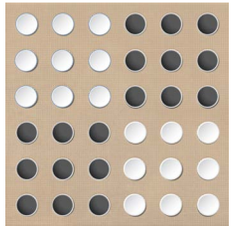
XOD 351



XOD 353



XOD 355



XOD 357(B)





WALL TILES

30x45

30x60



20x30

DIGITAL WALL & FLOOR MATCHING TILES

Glossy Wall: Size: 30x60 | Floor: 30x30

XHDW 6096 L

XHDW 60100 L



XHDW 6097 HL



XHDW 60101 HL



XHDW 6099 D



XHDW 60102 HL



XAS 3396



XHDW 60103 D

DIGITAL WALL & FLOOR MATCHING TILES

Glossy Wall: Size: 30x60 | Floor: 30x30



XHDW 60104 L



XHDW 60108 L



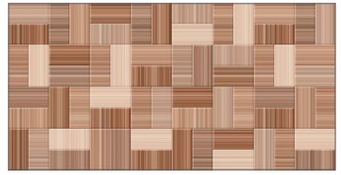
XHDW 60106 HL



XHDW 60109 HL



XHDW 60105 HL



XHDW 60110 D

XHDW 60107 D



XAS 331010



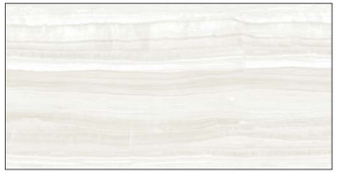
XAS 331004

WALL & FLOOR MATCHING TILES

Glossy Wall: Size: 30x60 | Floor: 30x30



XHDW 60111 L



XHDW 60114 L



XHDW 60112 HL



XHDW 60115 HL



XHDW 60113 D



XHDW 60116 HL



XHDW 60117 D



XAS 331014

GLOSSY WALL



PRIMA SERIES | GLOSSY

Wall | Size: 30x60

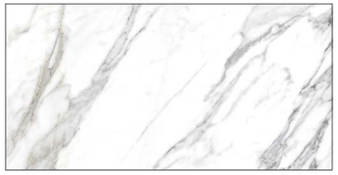
XHDWP 6000 L



XHDWP 6001 HL



XHDWP 6002 D



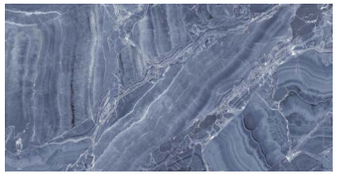
XHDWP 6003 L



XHDWP 6005 L



XHDWP 6006 HL



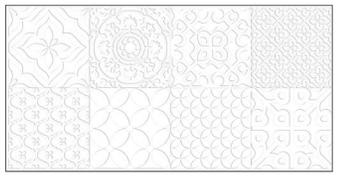
XHDWP 6007 D





ROYAL SERIES | GLOSSY

Wall | Size: 30x60



XWRS 630001



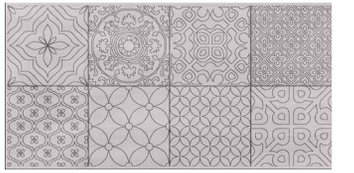
XWRS 630003



XWRS 630002



XWRS 630004



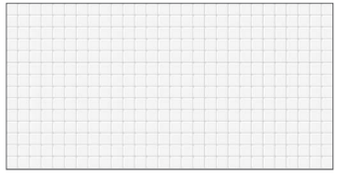
XWRS 630005



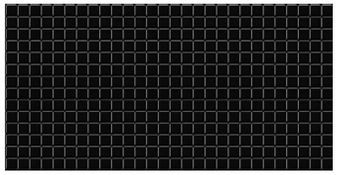
XWRS 630006

ROYAL SERIES | GLOSSY

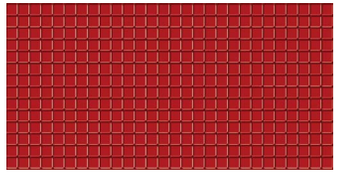
Wall | Size: 30x60



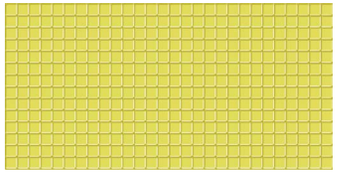
XWRS 630030



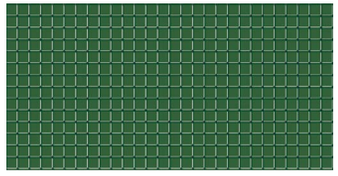
XWRS 630031



XWRS 630032



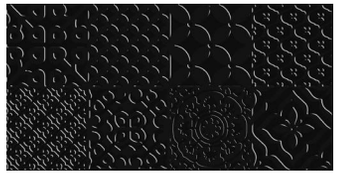
XWRS 630033



XWRS 630034



XWRS 630035



XWRS 630036

ROCK X SERIES | MATT

Wall: Size: 30x60 | Floor: 30x30

XRS 306021 L

XRS 306022 L



XRS 306021 HL



XRS 306022 HL

XST 33021

XST 33022



XRS 306023 L

XRS 306025 L



XRS 306023 HL



XRS 306025 HL



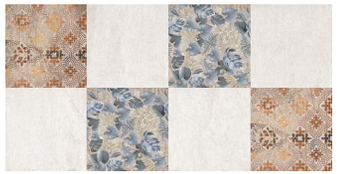
XST 33023

XST 33025

ROCK X SERIES | MATT

Wall: Size: 30x60 | Floor: 30x30

XRS 306024 L



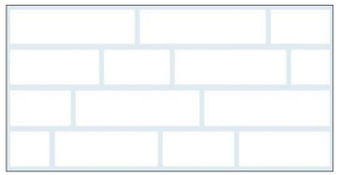
XRS 306024 HL

XST 33024



RUSTIC WALL

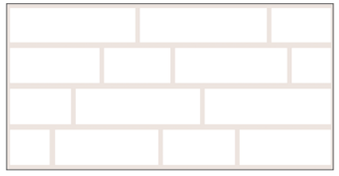
Wall | Size: 30x60



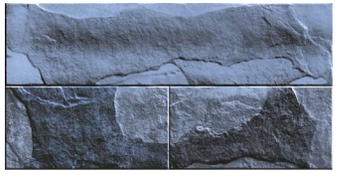
XRT 6026 WHITE



XRT 6028 BLACK



XRT 6027 IVORY



XRT 6131 W



XRT 6128



XRT 6134 W



XRT 6132 W



XRT 6138 W



DIGITAL EXTERIOR WALL | GLOSSY

Wall | Size: 30x60



XGT 6135



XGT 6136



XGT 6137 L



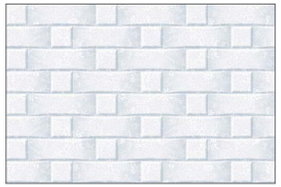
XGT 6138 HL



DIGITAL WALL & FLOOR MATCHING TILES

Glossy | Wall | Size: 30x45, Floor | Size: 30x30

XHDW 34144 L



XHDW 34174 L

XHDW 34158L



XHDW 34145 HL



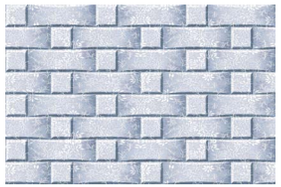
XHDW 34175 HL



XHDW 34159HL



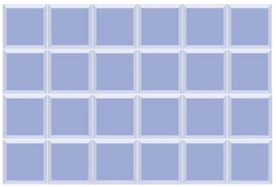
XHDW 34147 D



XHDW 34176 D



XHDW 34159HL2



XHDW 34160 D



XHDW 34153



XHDW 34154



XHDW 34116



XHDW 34119



XHDW 34157 D

DIGITAL WALL & FLOOR MATCHING TILES

Glossy | Wall | Size: 30x45, Floor | Size: 30x30

XHDW 34140 L



XHDW 34167 L

XHDW 34148 L



XHDW 34141 HL



XHDW 34168 HL



XHDW 34149 HL



XHDW 34142 HL



XHDW 34169 HL



XHDW 34150 HL



XHDW 34143 D



XHDW 34170 D



XHDW 34151 HL

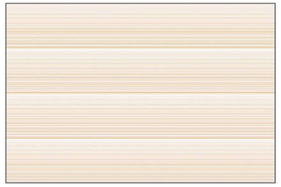


XHDF 33143 (AS)

XHDW 34152 D

DIGITAL WALL & FLOOR MATCHING TILES

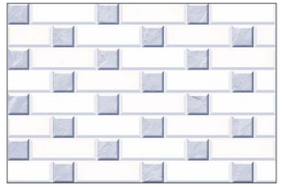
Glossy | Wall | Size: 30x45, Floor | Size: 30x30



XHDW 3470 L



XHDW 34188 L



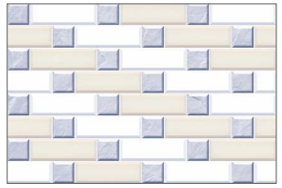
XHDW 34177 L



XHDW 3472 HL



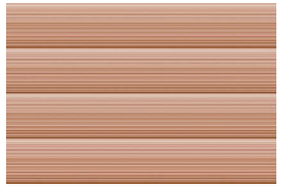
XHDW 34189 HL



XHDW 34179 D



XHDW 3492 HL



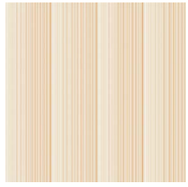
XHDW 3471 D



XHDW 34135 D



XHDF 3391 (AS)



XHDF 3370 (AS)



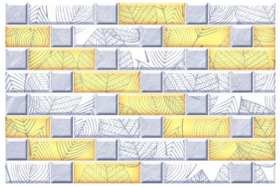
XHDF 33135 (AS)



DIGITAL WALL & FLOOR MATCHING TILES

Glossy | Wall | Size: 30x45, Floor | Size: 30x30

XHDW 34161 L



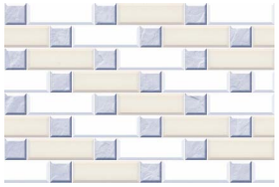
XHDW 34178 HL



XHDW 3422 L



XHDW 34162 HL



XHDW 34179 D



XHDF 3322 (AS)



XHDW 34163 D

DIGITAL WALL & FLOOR MATCHING



DIGITAL WALL TILES | GLOSSY

Wall | Size: 25x40, Floor | Size: 30x30



XHDW 2513 L

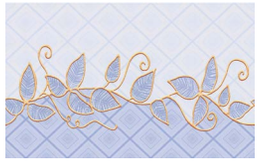
XHDW 2521 L



XHDW 2501 L



XHDW 2515 HL



XHDW 2522 HL



XHDW 2558



XHDW 2515 HL 1



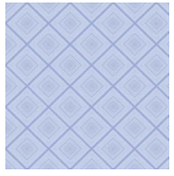
XHDW 2523 D



XHDW 2584 L



XHDW 2514 D



XHDF 3323 (AS)

DIGITAL WALL & FLOOR MATCHING



DIGITAL WALL TILES | GLOSSY

Wall | Size: 25x40, Floor | Size: 30x30

XHDW 2559 L

XHDW 2566 L



XHDW 2560 HL



XHDW 2567 HL



XHDW 2561 HL



XHDW 2568 HL

XHDW 2562 D

XHDW 2569 D

XHDW 2535 L

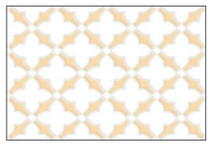


XHDW 2536 HL

DIGITAL WALL & FLOOR MATCHING



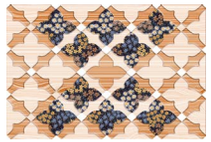
3D PUNCH | GLOSSY
Wall | Size: 20x30


XHDW 410 L

XHDW 421 L


XHDW 424 L

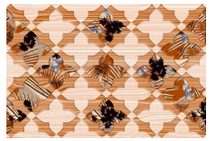

XHDW 467 L


XHDW 416 HL


XHDW 422 HL

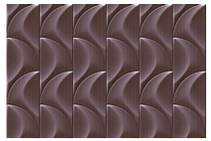

XHDW 425 HL


XHDW 468 HL


XHDW 418 HL


XHDW 423 D


XHDW 426 D


XHDW 469 D


XHDW 446 L

XHDW 451 L

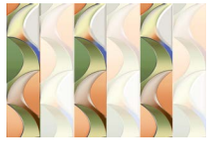
XHDW 454 L

XHDW 461 L


XHDW 447 HL


XHDW 452 HL

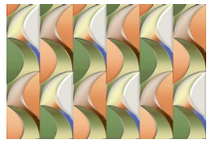

XHDW 455 HL


XHDW 462 HL

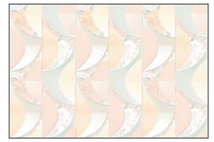
XHDW 448 D


XHDW 453 D


XHDW 456 D


XHDW 463 D

3D PUNCH | GLOSSY
Wall | Size: 20x30


XHDW 464 L

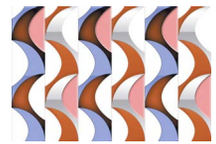

XHDW 459

XHDW 457 L


XHDW 449 HL

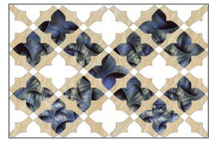

XHDW 465 HL


XHDW 460

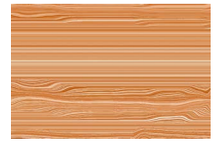

XHDW 458 D


XHDW 450 D


XHDW 466 D HL


XHDW 401 HL

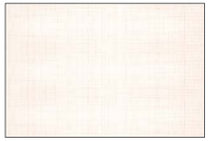

XHDW 415 L


XHDW 417 D



DIGITAL WALL TILES | GLOSSY

Wall | Size: 20x30

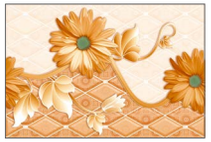

XHDW 252 L


XHDW 300 L


XW 2360 L


XW 2363 L


XHDW 253 HL

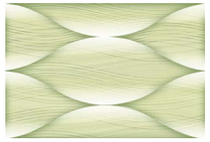

XHDW 301 HL


XW 2361 HL


XW 2364 HL

XHDW 254 D


XHDW 302 D


XW 2362 D


XW 2365 D


XHDW 303 L


XHDW 304 HL


XHDW 305 D

DIGITAL WALL TILES | GLOSSY

Wall | Size: 20x30

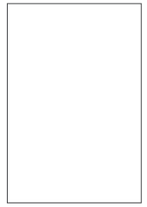

XW 11 2304

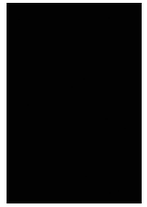

XHDW 228

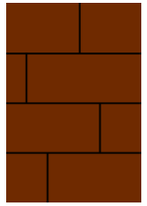

XHDW 2307


XHDW 2392


XHDW 2393


XW 11 2301


XW 11 2302


XW 11 2303


XW 2313


XW 2358 ND


XW 2368


XHDW 216

ROYAL SOLIDO | GLOSSY

Wall | Size: 20x30

XRSW 23000 XRSW 23001 XRSW 23002 XRSW 23003



Technical Specifications & Packaging Details

Nano Mirror Polished Tiles

Work Size		Pieces / Box	Coverage / Box	Weight / Box (Approx.)	Box / Pattel	Coverage / Pallet
Dimensions (in mm)	Thickness (in mm)	(nos)	(sqft)	(kgs)	(nos)	(sqft)
600 x 600	9.9 - 10.2	4	15.50	32.2 ± 0.2	28	434
800 x 800	11.2 - 11.5	2	13.77	33.6 ± 0.2	20	275.4

Conformity of Our tiles to International Standards B IIIa ISO-13006:2012 and Bangladesh Standards IS-15622:2006

Characteristics		Test Method	International Standard	Bangladesh Standard	Our Value
	Deviation in Length & Width	ISO 10545 (Part 2)	Max. ± 0.6%	Max. ± 0.6%	Max. ± 0.2%
	Deviation in Thickness		Max. ± 5.0%	Max. ± 5.0%	Max. ± 4.0%
	Straightness of sides		Max. ± 0.5%	Max. ± 0.5%	Max. ± 0.2%
	Rectangularity		Max. ± 0.6%	Max. ± 0.5%	Max. ± 0.2%
	Surface Flatness		Max. ± 0.5%	Max. ± 0.5%	Max. ± 0.2%
	a. Centre curvature (max.)		Max. ± 0.5%	Max. ± 0.5%	Max. ± 0.2%
	b. Edge curvature (max.)		Max. ± 0.5%	Max. ± 0.5%	Max. ± 0.2%
	c. Diagonal warpage (max.)		Max. ± 0.5%	Max. ± 0.5%	Max. ± 0.2%
	Surface Quality		Min. 95% free from visible defects	Min. 95% free from visible defects	Min. 95% free from visible defects
	Water Absorption	ISO 10545 (Part 3)	E, 0.5% ≤ Individual max. 0.6%	E, 0.5% ≤ Individual max. 0.6%	≤ 0.5%
	Modulus of Rupture in N/mm²	ISO 10545 (Part 4)	Avg. 35, Individual min. 32	Avg. 35, N/mm² Individual min. 32	Avg. 38, N/mm²
	Breaking Strength in N ≥ 7.5 thickness < 7.5 thickness		Min. 1300 Min. 700	Min. 1300 Min. 700	Min. 2000 Min. 1000
	Scratch Hardness (Moh's Scale)	ISO 10545 (Part 2)/EN 101	Not Required	Not Required	Min. 5
	Resistance to Surface Abrasion (of tiles intended for use of Floors)	ISO 10545 (Part 7)	Abrasion class shall be specified by the manufacturer	Abrasion class shall be specified by the manufacturer	PEI Group IV
	Co-efficient of Linear Thermal Expansion from ambient temperature to 100 oC (K1)	ISO 10545 (Part 4)	9 x 10^{-6} k^{-1} max.	9 x 10^{-6} k^{-1} max.	7 x 10^{-6} k^{-1} max.
	Thermal Shock Resistance	ISO 10545 (Part 9)	Min. 10 Cycles	Min. 10 Cycles	Passed
	Crazing Resistance	ISO 10545 (Part 11)	4 cycles	4 cycles	Passed
	Frost Resistance	ISO 10545 (Part 12)	No Damage	No Damage	Passed
	Impact Resistance	ISO 10545 (Part 5)	As per Mfg.	As per Mfg.	Min. 0.55
	Resistance to staining	ISO 10545 (Part 14)	Resistance	Resistance	Resistance
	Resistance to household chemicals	ISO 10545 (Part 13)	Class AA min.	Class AA min.	Class AA min.
	Chemical Resistance	ISO 10545 (Part 13)	Required, if Agreed	Required, if Agreed	Resistance to all acids and alkalies (except HF and its compound)
	Small Color Differences	ISO 10545 (Part 16)	Plain coloured tiles only where required GL : Æ < 1.0	Plain coloured tiles only where required GL : Æ < 75 , UGL Æ <1	As per Mfg.

Technical Specifications & Packaging Details

Floor Tiles

Work Size		Pieces / Box	Coverage / Box	Weight / Box (Approx.)	Box / Pattel	Coverage / Pattel
Dimensions (in mm)	Thickness (in mm)	(nos)	(sqft)	(kgs)	(nos)	(sqft)
300 x 300 (Homogeneous)	7.5 - 7.7	16	15.50	24.2 ± 0.1	42	651
300 x 300 (AS)	7.6 - 7.8	16	15.50	24.2 ± 0.1	42	651
400 x 400 (Homogeneous)	8.5 - 8.7	8	13.60	25.0 ± 0.1	56	761.6
400 x 400 (TG)	8.6 - 8.8	8	13.60	26.5 ± 0.1	56	761.6
600 x 600 (Homogeneous)	9.7 - 10.0	4	15.50	34.0 ± 0.2	28	434
260 x 300 (Stair)	7.6 - 7.8	19	15.50	25.5 ± 0.1	36	558
300 x 600 (Stair)	9.7 - 10.0	8	15.50	31.2 ± 0.1	32	496

Conformity of Our tiles to International Standards B IIIa ISO-13006:2012 and Bangladesh Standards IS-15622:2006

Characteristics		Test Method	International Standard	Bangladesh Standard	Our Value
	Deviation in Length & Width				
	a. The deviation in percent of the average size of each tile (2 or 4 sides) from the work size (W)	ISO 10545 (Part 2)	Max. ± 0.6%	Max. ± 0.5%	Max. ± 0.3%
	b. The deviation in percent of the average size of each tile (2 or 4 sides) from the average size of the 10 test specimen (20 or 40 sides)		Max. ± 0.5%	Max. ± 0.5%	Max. ± 0.3%
	Deviation in Thickness		Max. ± 0.5%	Max. ± 0.5%	Max. ± 0.4%
	Deviation in Straightness of sides		Max. ± 0.5%	Max. ± 0.3%	Max. ± 0.2%
	Deviation in Rectangularity		Max. ± 0.6%	Max. ± 0.3%	Max. ± 0.4%
	Surface Flatness				
	a. Centre curvature (max.)		Max. ± 0.5%	Max. ± 0.5%	Max. ± 0.2%
	b. Edge curvature (max.)		Max. ± 0.5%	Max. ± 0.5%	Max. ± 0.2%
	c. Diagonal warpage (max.)		Max. ± 0.5%	Max. ± 0.5%	Max. ± 0.3%
	Surface Quality		Min. 95% free from visible defects	Min. 95% free from visible defects	Min. 95% free from visible defects
	Water Absorption	ISO 10545 (Part 3)	< 3.0%	< 3.0%	< 0.8%
	Scratch Hardness (Moh's Scale)	ISO 10545 (Part 2)/ EN 101	Not Required	Not Required	Min. 5
	Abrasion Resistance	ISO 10545 (Part 7)	Manufacturer to state abrassion class	Manufacturer to state abrassion class	PEI 3-4
	Crazing Resistance	ISO 10545 (Part 11)	Required	Min. 4 cycles @7.5 bar min.	Resistance
	Chemical Resistance	ISO 10545 (Part 13)	Required, if Agreed	Required, if Agreed	Resistance to all acids and alkalies (except HF and its compound)
	Modulus of rupture in N/mm^2	ISO 10545 (Part 4)	Avg. 32, Individual min. 30	Avg. 30, Individual min. 30	Avg. 35, Individual min. 32
	Thermal Shock Resistance	ISO 10545 (Part 9)	Required	Min. 10 Cycles	Min. 10 Cycles
	Resistance to household chemicals	ISO 10545 (Part 13)	Class AA min.	Class AA min.	Class AA min.
	Resistance to staining	ISO 10545 (Part 14)	Class 1 min.	Class 1 min.	Class 1 min.
	Visual Inspection				The Tiles are Rectangular / Square in shape, Flat and free from flaws and other manufacturing defects.

Technical Specifications & Packaging Details

Stone Shield

Work Size		Pieces / Box	Coverage / Box	Weight / Box (Approx.)	Box / Pattel	Coverage / Pattel
Dimensions (in mm)	Thickness (in mm)	(nos)	(sqft)	(kgs)	(nos)	(sqft)
300 x 300	7.5 - 7.8	16	15.50	24.2 ± 0.1	42	651
400 x 400	10.3 - 10.5	8	13.60	30.8 ± 0.1	48	652.8
600 x 600	10.0 - 10.2	4	15.50	32.2 ± 0.2	28	434

Conformity of Our tiles to International Standards B IIIa ISO-13006:2012 and Bangladesh Standards IS-15622:2006

Characteristics		Test Method	International Standard	Bangladesh Standard	Our Value	
	Deviation in Length & Width	ISO 10545 (Part 2)	Max. ± 0.6%	Max. ± 0.6%	Max. ± 0.20%	
	Deviation in Thickness		Max. ± 5.0%	Max. ± 5.0%	Max. ± 4.0%	
	Straightness of sides		Max. ± 0.5%	Max. ± 0.5%	Max. ± 0.20%	
	Rectangularity		Max. ± 0.60%	Max. ± 0.60%	Max. ± 0.20%	
	Surface Flatness		Max. ± 0.50%	Max. ± 0.15%	Max. ± 0.20%	
	Water Absorption		< 0.5, Max. 0.6	< 0.5, Max. 0.6	< 0.5%	
	Apparent density	DIN 51082	> 2.0 gm/cc	> 2.0 gm/cc	> 2.2 gm/cc	
	Modulus of Rupture in N/mm^2	ISO 10545 (Part 4)	Min. 35 N/mm^2	Min. 35 N/mm^2	Min. 40 N/mm^2	
	Breaking Strength		Min. 1300 N	Min. 1300 N	Min. 3000 N	
	Impact Resistance	ISO 10545 (Part 5)	As per Mfg.	Min. 0.55	Min. 0.55	
	Surface abrasion Resistance	ISO 10545 (Part 7)	As per Mfg.	As per Mfg.	PEI V+ (50000+ revolution passed)	
	Moh's hardness	ISO 10545 (Part 2 /EN 101	Min. 5	Min. 5	Min. 8	
	Frost Resistance	ISO 10545 (Part 12)	No Damage	No Damage	No Damage	
	Thermal Shock Resistance	ISO 10545 (Part 9)	No Damage	No Damage	No Damage	
	Thermal expansion (COE)	ISO 10545 (Part 8)	Max. 9.0 x 10^{-6}	Max. 9.0 x 10^{-6}	Max. 6.5 x 10^{-6}	
	Crazing Resistance	ISO 10545 (Part 11)	4 Cycles	4 Cycles	Resistance	
	Chemical Resistance	ISO 10545 (Part 13)	No Damage	No Damage	No Damage	No Damage
	Stain Resistance	ISO 10545 (Part 14)	Resistance	Resistance	Resistance	Resistance

Technical Specifications & Packaging Details
Royal Plank

Work Size	Pieces / Box	Box Weight (in Kgs)	Quantity in a Box (Sqm)
15X60	10	Approx. 19.5	0.9sqm

Conformity of Our tiles to International Standards B IIIa ISO-13006:2012 and Bangladesh Standards IS-15622:2006

Test Description		Test Method	International Standard	Our Standard
	Deviation in Length & Width	ISO 10545-2	± 0.5%	± 0.4%
	Deviation in Thickness		± 5%	± 4%
	Straightness of sides		± 0.5%	± 0.3%
	Rectangularity		± 0.6%	± 0.4%
	Surface Flatness (Curve)		± 0.5%	± 0.3%
	Water Absorption	ISO 10545-3	< 0.5%	< 0.5%
	Modulus of Rupture	ISO 10545-4	Min. 27N/mm2	Min. 35N/mm2
	Moisture Expansion	ISO 10545-10	0.04	0.02
	Moh`s Hardness	EN 101	Min. 3	Min. 5
	Thermal expansion	ISO 10545-8	$9x10^{-6}K^{-1}$ max.	$8x10^{-6}K^{-1}$ max.
	Thermal Shock Resistance	ISO 10545-9	10cycle min.	Passed
	Crazing Resistance (Glazed)	ISO 10545-11	4cycle@ 7.5bar min.	Passed
	Chemical Resistance	ISO 10545-13	Min. Class AA	Min. Class AA
	Frost Resistance	ISO 10545-12	No Damage	No Damage
	Stain Resistance	ISO 10545-14	Min. Class-1	Min. Class-1

Technical Specifications & Packaging Details
Parking Tiles

Work Size		Pieces / Box	Coverage / Box	Weight / Box (Approx.)	Box / Pattel	Coverage / Pattel
Dimensions (in mm)	Thickness (in mm)	(nos)	(sqft)	(kgs)	(nos)	(sqft)
300 x 300	12.1 - 12.4	8	7.74	19.4 ± 0.1	54	417.96

Conformity of Our tiles to International Standards B IIIa ISO-13006:2012 and Bangladesh Standards IS-15622:2006

Characteristics		Test Method	International Standard	Bangladesh Standard	Our Value
	Deviation in Length & Width	ISO 10545 (Part 2)	Max. ± 0.6%	Max. ± 0.5%	Max. ± 0.2%
	Deviation in Thickness		Max. ± 0.5%	Max. ± 0.4%	Max. ± 0.4%
	Straightness of sides		Max. ± 0.5%	Max. ± 0.5%	Max. ± 0.2%
	Rectangularity		Max. ± 0.6%	Max. ± 0.5%	Max. ± 0.2%
	Surface Flatness (%)		Max. ± 0.5%	Max. ± 0.5%	Max. ± 0.3%
	Surface Quality		Min. 95% free from visible defects	Min. 95% free from visible defects	Min. 95% free from visible defects
	Water Absorption	ISO 10545 (Part 3)	< 3.0%	< 3.0%	< 0.5%
	Scratch Hardness (Moh's Scale)	ISO 10545 (Part 2)/EN 101	Not Required	Not Required	Min. 5
	Breaking Strength (N)	ISO 10545 (Part 4)	Thickness ≥ 7.5 mm 1300 min.	1500 min.	2500 min.
	Modulus of Rupture N/mm^2	ISO 10545 (Part 4)	Avg. 30, Individual min. 28	Avg. 30, Individual min. 28	Avg. 35, Individual min. 32
	Resistance to Surface Abrasion	ISO 10545 (Part 7)	Manufacturer to state abrasion class	Manufacturer to state abrasion class	PEI 4
	Crazing Resistance	ISO 10545 (Part 11)	Required	Min. 4 cycles @7.5 bar min.	Resistance
	Chemical Resistance	ISO 10545 (Part 13)	Required, if Agreed	Required, if Agreed	Resistance to all acids and alkalies (except HF and its Compound)
	Moisture Expansion	ISO 10545 (Part 10)	Nil	Nil	Nil
	Thermal Shock	ISO 10545 (Part 9)	No Damage	No Damage	No Damage
	Visual Inspection				The Tiles are Rectangular / Square in shape, Flat and free from flaws and other manufacturing defects.

Technical Specifications & Packaging Details
Out Door Tiles

Work Size		Pieces / Box	Coverage / Box	Weight / Box (Approx.)	Box / Pattel	Coverage / Pallet
Dimensions (in mm)	Thickness (in mm)	(nos)	(sqft)	(kgs)	(nos)	(sqft)
300 x 300	9.6	10	9.68	19.25	54	522.72

Conformity of Our tiles to International Standards B IIIa ISO-13006:2012 and Bangladesh Standards IS-15622:2006

Characteristics		Test Method	International Standard	Bangladesh Standard	Our Value
	Deviation in Length & Width	EN 98.EN ISO 10545-2	± 0.5%	Max. ± 0.5%	± 0.4%
	Deviation in Thickness		± 5%	Max. ± 0.4%	± 0.4%
	Straightness of sides		± 0.5%	Max. ± 0.5%	± 0.2%
	Rectangularity		± 0.6%	Max. ± 0.5%	± 0.4%
	Surface Flatness (%)		± 0.5%	Max. ± 0.5%	± 0.2%
	Surface Quality			Min. 95% free from visible defects	
	Water Absorption	EN 98.EN ISO 10545-3	< 0.5%	< 3.0%	< 0.5%
	Scratch Hardness (Moh's Scale)	EN 101	3	Not Required	5 above
	Breaking Strength (N)	EN 98.EN ISO 10545-4	≥ 1300N	1500 min.	≥ 1400N
	Modulus of Rupture N/mm^2	EN 98.EN ISO 10545-4	27 N / mm^2	Avg. 30, Individual min. 28	± 40 N / mm^2
	Resistance to Surface Abrasion	EN 98.EN ISO 10545-7	Manufacturer to state abrasion class	Manufacturer to state abrasion class	N/A
	Crazing Resistance	EN 98.EN ISO 10545-11	No Crazing	Min. 4 cycles @7.5 bar min.	No Crazing
	Chemical Resistance	EN 98.EN ISO 10545-13	No Damage	Required, if Agreed	No Damage
	Moisture Expansion	EN 98.EN ISO 10545-10	As Per Manufacturer	Nil	
	Thermal Shock	EN 98.EN ISO 10545-9	No Damage	No Damage	No Damage
	Visual Inspection				The tiles are rectangular in shape flate & free form flows & Other manufacturing Detects

Technical Specifications & Packaging Details
Wall Tiles

Work Size		Pieces / Box	Coverage / Box	Weight / Box (Approx.)	Box / Pattel	Coverage / Pattel
Dimensions (in mm)	Thickness (in mm)	(nos)	(sqft)	(kgs)	(nos)	(sqft)
200 x 300	7.2 - 7.4	25	16.00	18.9 ± 0.1	48	768
250 x 400	8.0 - 8.2	10	10.76	14.2 ± 0.1	48	516.48
300 x 450	9.0 - 9.2	08	11.3333	16.2 ± 0.1	48	543.9984
300 x 600	9.9 - 10.2	06	11.33	19.8 ± 0.1	40	453.2

Conformity of Our tiles to International Standards B IIIa ISO-13006:2012 and Bangladesh Standards IS-15622:2006

Characteristics		Test Method	International Standard	Bangladesh Standard	Our Value
	Deviation in Length & Width	ISO 10545 (Part 2)	Max±0.5%	Max±0.5%	Max. ± 0.3%
	Deviation in Thickness	ISO 10545 (Part 2)	Max±0.5%	Max±0.4%	Max. ± 0.4%
	Surface Flatness (Warpage)	ISO 10545 (Part 2)	Max±0.5%	Max±0.4%	Max. ± 0.4%
	Rectangularity (Squareness)	ISO 10545 (Part 2)	Max±0.5%	Max±0.5%	Max. ± 0.45%
	Surface Quality	ISO 10545 (Part 2)	95% free from visible defects.	95% free from visible defects.	95% free from visible defects.
	Scratch Hardness of Surface (Mohs)	ISO 10545 (Part 2)	Min. 3	Min. 3	Min. 3
	Water Absorption	ISO 10545 (Part 3)	>15%	>15%	15<18%
	Crazing Resistance	ISO 10545 (Part 11)	Required	Min. 4 cycles @75.bar	Min. 4 cycles @ 7.5 bar
	Chemical Resistance	ISO 10545 (Part 13)	No Damage	No Damage	No Damage
	Modulus of Rupture in N/mm^2	ISO 10545 (Part 4)	Min. 150 kg/cm2	Min 150 kg/cm2	Min. 160 kg/cm2
	Thermal Shock Resistance	ISO 10545 (Part 9)	No Damage	No Damage	No Damage
	Visual Inspection				The Tiles are Rectangular / Square in shape, Flat and free from flows and other manufacturing defects.

Technical Specifications & Packaging Details

ROCK X | Wall Tiles

Work Size		Pieces / Box	Coverage / Box	Weight / Box (Approx.)	Box / Pattel	Coverage / Pallet
Dimensions (in mm)	Thickness (in mm)	(nos)	(sqft)	(kgs)	(nos)	(sqft)
300 x 600	8.0 - 8.2	5	9.68	15.0 ± 0.1	56	542.08

Conformity of Our tiles to International Standards B IIIa ISO-13006:2012 and Bangladesh Standards IS-15622:2006

Characteristics		Test Method	International Standard	Bangladesh Standard	Our Value
	Deviation in Length & Width				
	a. The deviation in percent of the average size of each tile (2 or 4 sides) from the work size (W)	ISO 10545 (Part 2)	Max. ± 0.6%	Max. ± 0.5%	Max. ± 0.3%
	b. The deviation in percent of the average size of each tile (2 or 4 sides) from the average size of the 10 test specimen (20 or 40 sides)		Max. ± 0.5%	Max. ± 0.5%	Max. ± 0.3%
	Deviation in Thickness		Max. ± 0.5%	Max. ± 0.5%	Max. ± 0.4%
	Deviation in Straightness of sides		Max. ± 0.5%	Max. ± 0.3%	Max. ± 0.2%
	Deviation in Rectangularity		Max. ± 0.6%	Max. ± 0.3%	Max. ± 0.4%
	Surface Flatness				
	a. Centre curvature (max.)		Max. ± 0.5%	Max. ± 0.5%	Max. ± 0.2%
	b. Edge curvature (max.)		Max. ± 0.5%	Max. ± 0.5%	Max. ± 0.2%
	c. diagonal warpage (max.)		Max. ± 0.5%	Max. ± 0.5%	Max. ± 0.3%
	Surface Quality		Min. 95% free from visible defects	Min. 95% free from visible defects	Min. 95% free from visible defects
	Water Absorption	ISO 10545 (Part 3)	< 3.0%	< 3.0%	< 0.5%
	Scratch Hardness (Moh's Scale)	ISO 10545 (Part 2)/ EN 101	Min. 5	Min. 5	Min. 6
	Abrasion Resistance	ISO 10545 (Part 7)	Manufacturer to state abrassion class	Manufacturer to state abrassion class	PEI 4
	Crazing Resistance	ISO 10545 (Part 11)	Min. 4 cycles @7.5 bar min.	Min. 4 cycles @7.5 bar min.	Passed
	Chemical Resistance	ISO 10545 (Part 13)	Required, if Agreed	Required, if Agreed	Resistance to all acids and alkalies (except HF and its compound)
	Modulus of Rupture in N/mm^2	ISO 10545 (Part 4)	Avg. 32, Individual min. 30	Avg. 32, Individual min. 30	Avg. 32, Individual min. 30
	Thermal Shock Resistance	ISO 10545 (Part 9)	Required	Min. 10 Cycles	Min. 10 Cycles
	Resistance to household chemicals	ISO 10545 (Part 13)	Class AA min.	Class AA min.	Class AA min.
	Resistance to staining	ISO 10545 (Part 14)	Class 1 min.	Class 1 min.	Class 1 min.
	Visual Inspection				The Tiles are Rectangular / Square in shape, Flat and free from flaws and other manufacturing defects.

BDS ISO 13006:2006

ISO 9001:2015

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