



Technical Specifications & Packaging Details

Robusto

Work Size		Pieces / Box	Coverage / Box	Weight / Box (Approx.)	Box / Pattel	Coverage / Pallet
Dimensions (in mm)	Thickness (in mm)	(nos)	(sqft)	(kgs)	(nos)	(sqft)
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 (WT.%)	DIN 51082	< 0.5, Max. 0.6	< 0.5, Max. 0.6	AVG.0.05 ± 0.01	
	Apparent density		> 2.0 gm/cc	> 2.0 gm/cc	> 2.2 gm/cc	
	Modulus of Rupture in Mpa		Min. 35 N/mm²	Min. 35 N/mm²	AVG 41.93 ± 4.32	
	Breaking Strength		Min. 1300 N	Min. 1300 N	Min. 3000 N	
	Impact Resistance		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

নানোম্যাটেরিয়ালস এবং সিরামিক ইঞ্জিনিয়ারিং বিভাগ
Department of Nanomaterials and Ceramic Engineering
Bangladesh University of Engineering and Technology (BUET)

NCE No. 015/2023-24Date: 30/08/2023

Client

X-Ceramics Group
[X-Monica, X-Monalisa, X-Alexander]
MF Tower, Plot: GA-95/C, Middle Badda
Pragati Sarani, Link Road, Dhaka

Client's Reference

Nil, Date: 07/08/2023

BRTC Reference

1102-97782/NCE/2023-24, Date: 09/08/2023

Sample Condition

Not sealed

Subject

Testing of Floor Tiles

TEST REPORT

Sample Identification by Client:

Floor Tiles (ROBUSTO Homogeneous)
Size (CM): 40 x 40

1. Modulus of Rupture:

Sl. No.	Breaking Load (N)	Value (MPa)	Average Value (MPa)
Sample -01	2660.86	37.91	41.93 ± 4.32
Sample -02	3094.76	45.00	
Sample -03	2862.55	40.79	
Sample -04	3323.19	48.27	
Sample -05	2725.31	38.83	
Sample -06	3195.60	45.53	
Sample -07	2609.65	37.18	

2. Water Absorption:

Sl. No.	Initial Weight (kg)	Final Weight (kg)	Value (WL%)	Average Value (WL%)
Sample -01	3.732	3.734	0.05	0.05 ± 0.01
Sample -02	3.737	3.738	0.03	
Sample -03	3.754	3.756	0.05	
Sample -04	3.775	3.777	0.05	
Sample -05	3.744	3.746	0.05	

N.B. All tests were conducted EN ISO 10545 standard.

Md. Abdullah Zubair

Dr. Md. Abdullah Zubair
Professor and Head
Dept. of Nanomaterials and Ceramic Engineering (NCE)
BUET, Dhaka- 1000

Please note: The client supplied the sample and the result given herewith corresponds to the test on supplied sample only. The Department of Nanomaterials and Ceramic Engineering of BUET takes no responsibility regarding the misinterpretation, forgery of the sample.

Designing materials for future

Old Academic Building, Ground Floor, BUET 1, (Dhaka-1000). Websites: <nce.buet.ac.bd> <buet.ac.bd>
<+88023610817>, <+880225107126> E-mail: <nce@nce.buet.ac.bd>, <info@nce.buet.ac.bd>

WE ARE ONE | WE ARE

Xceramics | **Xmonica**
The Italian Brand Tiles

Exclusive Display Center :
Noorjahan Tower, (1st Floor)
2 No. Link Road, Bangla Motor, Dhaka 1000

Corporate Headquarters :
MF Tower : Plot GA 95/C, Pragati Sarani, Gulshan 1 Link
Road, Dhaka 1212
Tel: +88 02 9847141, +88 02 9846442, +88 02 58817175
Fax: +88 02 9856110
Email: info@xceramics.com

+8801755555133
xceramics.com
X-Monica

Robusto



Beauty with
Super Vitrified



Xmonica
The Italian Brand Tiles

Uncompromised Safety
Unmatched Style

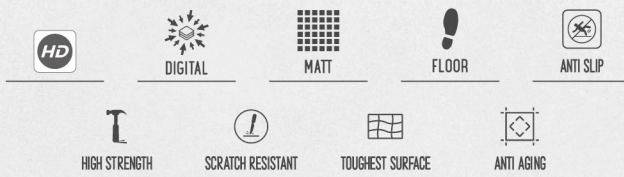
Robusto

60x60cm & 40x40cm

FLOOR TILES

Discover the perfect fusion of Beauty & Heavy Duty with our latest cutting-edge innovation **Robusto** Slip Shield Tiles. Designed to provide a secure footing even in wet spaces and long lasting beauty in high-traffic areas, these tiles are the ideal solution for homes, offices, outdoor and commercial spaces. The tile comes with the most advanced **Super Vitrified** body, a latest inclusion in ceramic industry by **X-Ceramics Group**.

Embrace the confidence of slip-resistant, stain-resistant and durable flooring without compromising on aesthetics. Create a space that not only looks stunning but also prioritizes the well-being of your family, customers, and employees.



ROBUSTO
SLIP SHIELD

40X40 CM FLOOR TILES



XRSS 4410



XRSS 4411



XRSS 4412



XRSS 4413


HD


DIGITAL


MATT


FLOOR


ANTI SLIP


HIGH STRENGTH


SCRATCH RESISTANT


TOUGHEST SURFACE


ANTI AGING

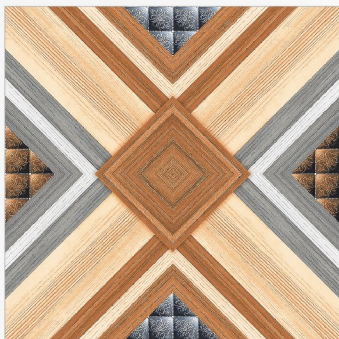




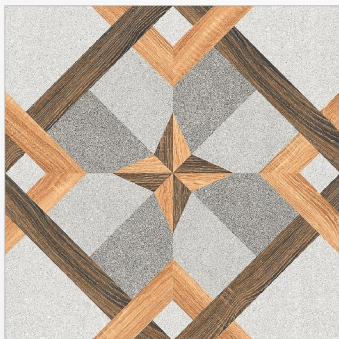
ROBUSTO

SLIP SHIELD

40X40 CM FLOOR TILES



XRSS 4414



XRSS 4415



DIGITAL



MATT



FLOOR



ANTI SLIP



HIGH STRENGTH



SCRATCH RESISTANT



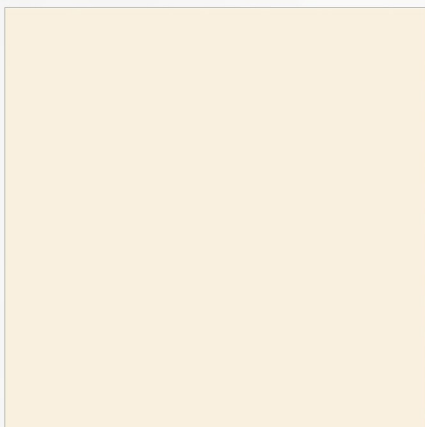
TOUGHEST SURFACE



ANTI AGING

ROBUSTO HOMOGENEOUS

60X60 CM FLOOR TILES



XRSR 66000



HIGH STRENGTH

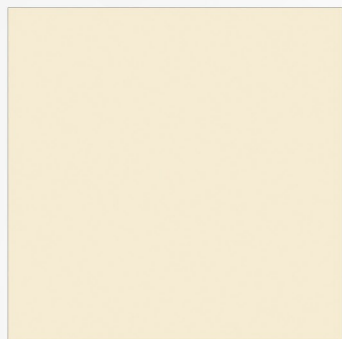
SCRATCH RESISTANT

TOUGHEST SURFACE

ANTI AGING

ROBUSTO HOMOGENEOUS

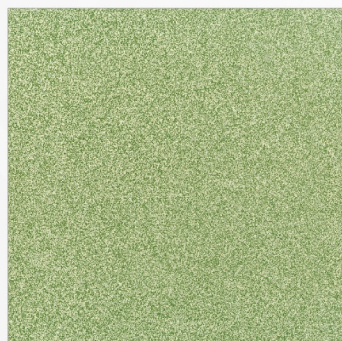
40X40 CM FLOOR TILES



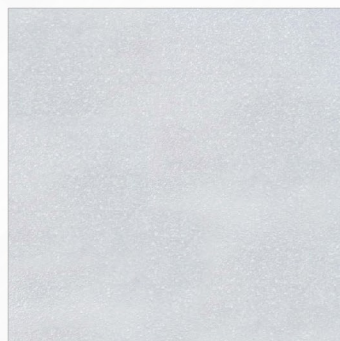
XRSH 44000



XRSH 44002



XRSH 44003



XRSH 44004



HIGH STRENGTH



DIGITAL



MATT



FLOOR



SCRATCH RESISTANT



TOUGHEST SURFACE



ANTI AGING

