



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

ন্যানোসাটেরিয়ালস এন্ড সিরামিক ইঞ্জিনিয়ারিং বিভাগ
Department of Nanomaterials and Ceramic Engineering
Bangladesh University of Engineering and Technology (BUET)

NCE No. 015/2023-24

Date: 30/08/2023

Client

: X-Ceramics Group
(X-Monica, X-Monsalisa, X-Alexander)
MF Tower, Plot: GA-95/C, Miricle 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	3320.19	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 (Wt.%)	Average Value (Wt.%)
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.

Dr. Md. Abdullah Zubair

Professor and Head

Dept. of Nanomaterials and Ceramic Engineering (NCE)

BUET, Dhaka-1000

DEPT. OF NCE

BUET

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 misidentification, if any, of the sample.

Designing materials for future

Cid Academic Building, Ground Floor, BUET, Dhaka-1000. Website: <no>buetae.bd> <buetae.bd>
(+880 2 9515975, +88 0 2 55167133 Extn 6892, 6747) <no>headnca@nca.buet.ac.bd

Corporate Headquarters :
MF Tower : Plot GA 95/C, Progati Soroni, Gulshan 1 Link
Road, Dhaka 1212
Tel: +88 02 58817175, +88 02 222291467,
+88 02 222287141, +88 02 222296442
Mobile: 01844 004 202, Fax: +88 02 58814759,
Email: info@xceramics.com

+8801844004202
xceramics.com
alexandertilesbd

Robusto

Beauty with
Super Vitrified HD

Uncompromised Safety
Unmatched Style

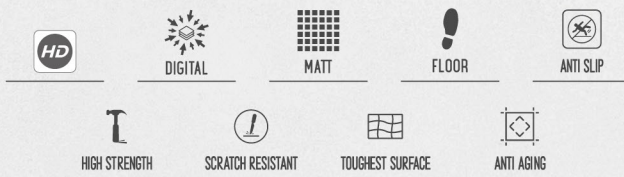
Robusto

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.



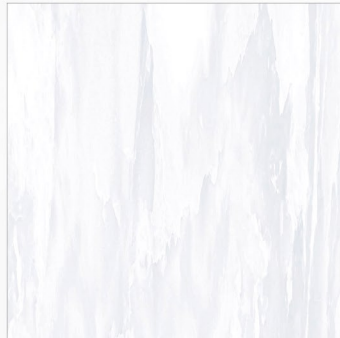
ROBUSTO

SLIP SHIELD

40X40 CM FLOOR TILES



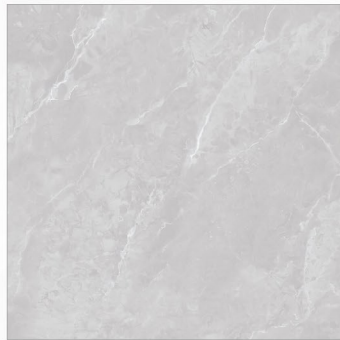
ARSS 4001



ARSS 4002



ARSS 4003



ARSS 4004



HIGH STRENGTH

SCRATCH RESISTANT

TOUGHEST SURFACE

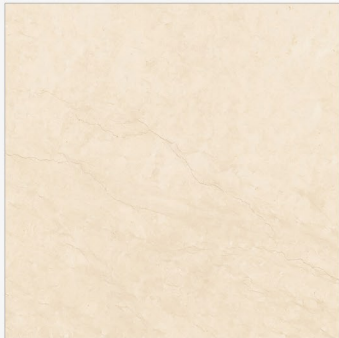
ANTI AGING



ROBUSTO

SLIP SHIELD

40X40 CM FLOOR TILES



ARSS 4005



DIGITAL



MATT



FLOOR



ANTI SLIP



HIGH STRENGTH



SCRATCH RESISTANT



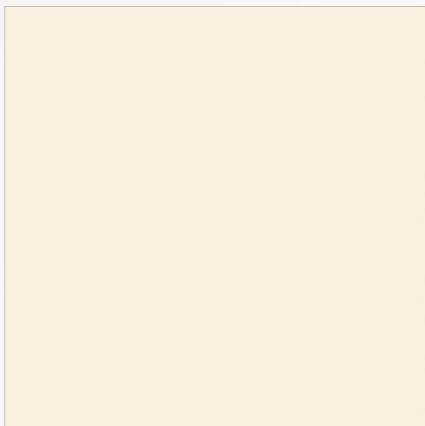
TOUGHEST SURFACE



ANTI AGING

ROBUSTO HOMOGENEOUS

60X60 CM FLOOR TILES



ARH 800



HIGH STRENGTH

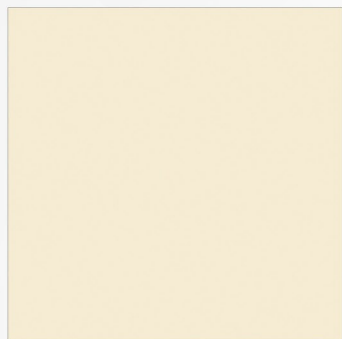
SCRATCH RESISTANT

TOUGHEST SURFACE

ANTI AGING

ROBUSTO HOMOGENEOUS

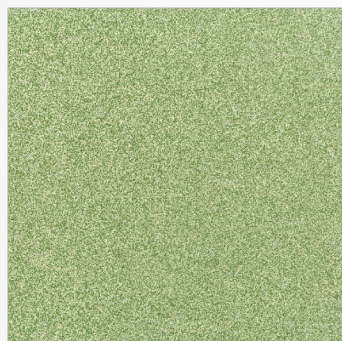
40X40 CM FLOOR TILES



ARH 400



ARH 401



ARH 402



ARH 403



HIGH STRENGTH



SCRATCH RESISTANT



Toughest Surface



ANTI AGING

