

Technical specification							
Work size			Coverage area/box (m2)		No. of tiles/box	Avg. Wt./box (Kgs.) (approx)	Avg. Wt/sq.mtr. (kgs) (approx)
Dimensions (in mm)		Thickness (in mm)					
600x600		8.20	1.44		4 Pcs	27.20	18.89
Comparison of Greenray GranitoParameters to International Standards Bla ISO-13006:2018-09							
Sr.No.	Characteristics		Group Bla-ISO 13006:2018-09		Our Value	Method of Testing	
			Nominal size (N) N≥15 cm				
			Whichever is less is applicable				
			%	mm			
1	Deviation in Length & Width		± 0.3	± 1.0	± 0.3 mm	ISO-10545-2	
2	Deviation in Thickness		± 5.0	± 0.5	± 0.5 mm	ISO-10545-2	
3	Deviation in Straightness of Sides		± 0.3	± 0.8	± 0.5 mm	ISO-10545-2	
4	Deviation in Rectangularity		± 0.3	± 1.5	± 0.6 mm	ISO-10545-2	
5	Surface Flatness						
	a. Centre Curvature (max.)		± 0.4	± 1.8	± 0.8 mm	ISO-10545-2	
	b. Edge Curvature (max.)		± 0.4	± 1.8	± 0.8 mm	ISO-10545-2	
	c. Corner Warpage (max.)		± 0.4	± 1.8	± 0.8 mm	ISO-10545-2	
6	Surface Quality		A min. 95% of the tiles are to be free from visible defects		A min. 95% of the tiles are to be free from visible defects	ISO-10545-2	
7	Water Absorption		Ev≤0.5% Ind. Max 0.6%		≤0.05%	ISO-10545-3	
8	Abrasion Resistance		Report abrasion class and cycles passed		PEI class 3 min.	ISO-10545-7	
9	Modulus of Rupture N/mm2		Min. 35, Individual min. 32		Min. 45, Individual min. 43	ISO-10545-4	
10	Breaking Strength (in Newtons)		a. Thickness ≥ 7.5 mm, not less than 1300 b. Thickness < 7.5 mm, not less than 700		Thickness ≥ 7.5 mm, not less than 1800	ISO-10545-4	
11	Crazing Resistance		Required		4 cycle at 7.5 bar min.	ISO-10545-11	
12	Resistance to Staining		Min. class 3		Min. class 3	ISO-10545-14	
13	Resistance to Chemical		Test method available		Resistant to specified chemicals	ISO-10545-13	
14	Moisture Expansion in millimetres per metre		Test method available		Negligible	ISO-10545-10	
15	Thermal Shock Resistance		Test method available		No damage	ISO-10545-9	
16	L	86+ (In plain tile)					
	A	<1.0					
	B	1.5-2.0					

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Dimensions (in mm)		Thickness (in mm)					
600x1200		8.20	1.44		2 Pcs	27.20	18.89
Comparison of Invoke Tiles Parameters to International Standards Bla ISO-13006:2018-09							
Sr.No.	Characteristics		Group Bla-ISO 13006:2018-09		Our Value	Method of Testing	
			Nominal size (N) N≥15 cm				
			Whichever is less is applicable				
			%	mm			
1	Deviation in Length & Width		± 0.3	± 1.0	± 0.5 mm	ISO-10545-2	
2	Deviation in Thickness		± 5.0	± 0.5	± 0.5 mm	ISO-10545-2	
3	Deviation in Straightness of Sides		± 0.3	± 0.8	± 0.8 mm	ISO-10545-2	
4	Deviation in Rectangularity		± 0.3	± 1.5	± 0.8 mm	ISO-10545-2	
5	Surface Flatness						
	a. Centre Curvature (max.)		± 0.4	± 1.8	± 0.8 mm	ISO-10545-2	
	b. Edge Curvature (max.)		± 0.4	± 1.8	± 0.8 mm	ISO-10545-2	
	c. Corner Warpage (max.)		± 0.4	± 1.8	± 0.8 mm	ISO-10545-2	
6	Surface Quality		A min. 95% of the tiles are to be free from visible defects		A min. 95% of the tiles are to be free from visible defects	ISO-10545-2	
7	Water Absorption		Ev≤0.5% Ind. Max 0.6%		≤0.05%	ISO-10545-3	
8	Abrasion Resistance		Report abrasion class and cycles passed		PEI class 3 min.	ISO-10545-7	
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11	Crazing Resistance		Required		4 cycle at 7.5 bar min.	ISO-10545-11	
12	Resistance to Staining		Min. class 3		Min. class 3	ISO-10545-14	
13	Resistance to Chemical		Test method available		Resistant to specified chemicals	ISO-10545-13	
14	Moisture Expansion in millimetres per metre		Test method available		Negligible	ISO-10545-10	
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Dimensions (in mm)		Thickness (in mm)					
800x1600		9.00	2.56		2 Pcs	51.00	19.92
Comparison of Invoke Tiles Parameters to International Standards Bla ISO-13006:2018-09							
Sr.No.	Characteristics		Group Bla-ISO 13006:2018-09		Our Value	Method of Testing	
			Nominal size (N) N≥15 cm				
			Whichever is less is applicable				
			%	mm			
1	Deviation in Length & Width		± 0.3	± 1.0	± 0.5 mm	ISO-10545-2	
2	Deviation in Thickness		± 5.0	± 0.5	± 0.5 mm	ISO-10545-2	
3	Deviation in Straightness of Sides		± 0.3	± 0.8	± 0.5 mm	ISO-10545-2	
4	Deviation in Rectangularity		± 0.3	± 1.5	± 0.8 mm	ISO-10545-2	
5	Surface Flatness						
	a. Centre Curvature (max.)		± 0.4	± 1.8	± 1.0 mm	ISO-10545-2	
	b. Edge Curvature (max.)		± 0.4	± 1.8	± 1.0 mm	ISO-10545-2	
	c. Corner Warpage (max.)		± 0.4	± 1.8	± 1.0 mm	ISO-10545-2	
6	Surface Quality		A min. 95% of the tiles are to be free from visible defects		A min. 95% of the tiles are to be free from visible defects	ISO-10545-2	
7	Water Absorption		Ev≤0.5% Ind. Max 0.6%		≤0.05%	ISO-10545-3	
8	Abrasion Resistance		Report abrasion class and cycles passed		PEI class 3 min.	ISO-10545-7	
9	Modulus of Rupture N/mm2		Min. 35, Individual min. 32		Min. 45, Individual min. 43	ISO-10545-4	
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11	Crazing Resistance		Required		4 cycle at 7.5 bar min.	ISO-10545-11	
12	Resistance to Staining		Min. class 3		Min. class 2	ISO-10545-14	
13	Resistance to Chemical		Test method available		Resistant to specified chemicals	ISO-10545-13	
14	Moisture Expansion in millimetres per metre		Test method available		Negligible	ISO-10545-10	
15	Thermal Shock Resistance		Test method available		No damage	ISO-10545-9	
16	L	86+ (In plain tile)					
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Dimensions (in mm)		Thickness (in mm)					
1200x1200		9.00	2.88		2 Pcs	55.00	19.10
Comparison of Invoke Tiles Parameters to International Standards Bla ISO-13006:2018-09							
Sr.No.	Characteristics		Group Bla-ISO 13006:2018-09		Our Value	Method of Testing	
			Nominal size (N) N≥15 cm				
			Whichever is less is applicable				
			%	mm			
1	Deviation in Length & Width		± 0.3	± 1.0	± 0.5 mm	ISO-10545-2	
2	Deviation in Thickness		± 5.0	± 0.5	± 0.5 mm	ISO-10545-2	
3	Deviation in Straightness of Sides		± 0.3	± 0.8	± 0.5 mm	ISO-10545-2	
4	Deviation in Rectangularity		± 0.3	± 1.5	± 0.8 mm	ISO-10545-2	
5	Surface Flatness						
	a. Centre Curvature (max.)		± 0.4	± 1.8	± 1.0 mm	ISO-10545-2	
	b. Edge Curvature (max.)		± 0.4	± 1.8	± 1.0 mm	ISO-10545-2	
	c. Corner Warpage (max.)		± 0.4	± 1.8	± 1.0 mm	ISO-10545-2	
6	Surface Quality		A min. 95% of the tiles are to be free from visible defects		A min. 95% of the tiles are to be free from visible defects	ISO-10545-2	
7	Water Absorption		Ev≤0.5% Ind. Max 0.6%		≤0.05%	ISO-10545-3	
8	Abrasion Resistance		Report abrasion class and cycles passed		PEI class 3 min.	ISO-10545-7	
9	Modulus of Rupture N/mm2		Min. 35, Individual min. 32		Min. 45, Individual min. 43	ISO-10545-4	
10	Breaking Strength (in Newtons)		a. Thickness ≥ 7.5 mm, not less than 1300 b. Thickness < 7.5 mm, not less than 700		Thickness ≥ 7.5 mm, not less than 1800	ISO-10545-4	
11	Crazing Resistance		Required		4 cycle at 7.5 bar min.	ISO-10545-11	
12	Resistance to Staining		Min. class 3		Min. class 2	ISO-10545-14	
13	Resistance to Chemical		Test method available		Resistant to specified chemicals	ISO-10545-13	
14	Moisture Expansion in millimetres per metre		Test method available		Negligible	ISO-10545-10	
15	Thermal Shock Resistance		Test method available		No damage	ISO-10545-9	
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Dimensions (in mm)		Thickness (in mm)					
1200x1800		9.00	4.32		2 Pcs	90.00	20.83
Comparison of Invoke Tiles Parameters to International Standards Bla ISO-13006:2018-09							
Sr.No.	Characteristics		Group Bla-ISO 13006:2018-09		Our Value	Method of Testing	
			Nominal size (N) N≥15 cm				
			Whichever is less is applicable				
			%	mm			
1	Deviation in Length & Width		± 0.3	± 1.0	± 0.5 mm	ISO-10545-2	
2	Deviation in Thickness		± 5.0	± 0.5	± 0.5 mm	ISO-10545-2	
3	Deviation in Straightness of Sides		± 0.3	± 0.8	± 0.5 mm	ISO-10545-2	
4	Deviation in Rectangularity		± 0.3	± 1.5	± 0.8 mm	ISO-10545-2	
5	Surface Flatness						
	a. Centre Curvature (max.)		± 0.4	± 1.8	± 1.0 mm	ISO-10545-2	
	b. Edge Curvature (max.)		± 0.4	± 1.8	± 1.0 mm	ISO-10545-2	
	c. Corner Warpage (max.)		± 0.4	± 1.8	± 1.0 mm	ISO-10545-2	
6	Surface Quality		A min. 95% of the tiles are to be free from visible defects		A min. 95% of the tiles are to be free from visible defects	ISO-10545-2	
7	Water Absorption		Ev≤0.5% Ind. Max 0.6%		≤0.05%	ISO-10545-3	
8	Abrasion Resistance		Report abrasion class and cycles passed		PEI class 3 min.	ISO-10545-7	
9	Modulus of Rupture N/mm2		Min. 35, Individual min. 32		Min. 45, Individual min. 43	ISO-10545-4	
10	Breaking Strength (in Newtons)		a. Thickness ≥ 7.5 mm, not less than 1300 b. Thickness < 7.5 mm, not less than 700		Thickness ≥ 7.5 mm, not less than 1800	ISO-10545-4	
11	Crazing Resistance		Required		4 cycle at 7.5 bar min.	ISO-10545-11	
12	Resistance to Staining		Min. class 3		Min. class 2	ISO-10545-14	
13	Resistance to Chemical		Test method available		Resistant to specified chemicals	ISO-10545-13	
14	Moisture Expansion in millimetres per metre		Test method available		Negligible	ISO-10545-10	
15	Thermal Shock Resistance		Test method available		No damage	ISO-10545-9	
16	L	87+ (In plain tile)					
	A	<1.0					
	B	1.5-2.0					

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Work size		Coverage area/box (m2)	No. of tiles/box	Avg. Wt./box (Kgs.)	Avg. Wt/sq.mtr. (kgs)
Dimensions (in mm)	Thickness (in mm)				
1200x1800	15.00	2.16	1 Pcs	75.00	34.72
Comparison of Invoice Tiles Parameters to Indian Standards Bla IS-15622 : 2017					
Sr.No.	Characteristics	Group Bla-IS 15622 : 2017	Our Value %	Method of Testing	
		Nominal size (N) N≥20 cm			
		%			
i	Dimensions and surface quality:				
a	Deviation in Length & Width	± 0.1	± 0.1	IS-13630-1	
b	Deviation in Thickness	± 5.0	± 5.0	IS-13630-1	
c	Deviation in Straightness of Sides	± 0.1	± 0.1	IS-13630-1	
d	Deviation in Rectangularity	± 0.1	± 0.1	IS-13630-1	
e	Surface Flatness				
	a. Centre Curvature (max.)	± 0.5	± 0.5	IS-13630-1	
	b. Edge Curvature (max.)	± 0.5	± 0.5	IS-13630-1	
	c. Corner Warpage (max.)	± 0.5	± 0.5	IS-13630-1	
f	Surface Quality	A min. 95% of the tiles are to be free from visible defects	A min. 95% of the tiles are to be free from visible defects	IS-13630-1	
ii	Physical properties:				
a	Water Absorption	Avg. ≤0.08% Ind. Max 0.1%	Avg. ≤0.08% Ind. Max 0.1%	IS-13630-2	
b	Modulus of Rupture N/mm2	Avg. 35, Individual Min. 32	Avg. 35, Individual Min. 32	IS-13630-6	
c	Breaking Strength (in Newtons)	a. Thickness ≥ 7.5 mm, not less than 1300 b. Thickness < 7.5 mm, not less than 700	Thickness ≥ 7.5 mm, not less than 2200	IS-13630-6	
d	Moisture Expansion in mm/m	0.02, Max	0.02, Max	IS-13630-3	
e	Scratch hardness of surface ³⁾	5, Min	5, Min	IS-13630-13	
f	Abrasion Resistance	Class II, Min.	Class II, Min.	IS-13630-11	
g	Co-efficient of linear thermal expansion (K ⁻¹)	6x10 ⁻⁶ , Max	6x10 ⁻⁶ , Max	IS-13630-4	
h	Thermal Shock Resistance	10 cycles, Min	10 cycles, Min	IS-13630-5	
i	Crazing Resistance	4 cycle at 7.5, Min	4 cycle at 7.5 bar Min.	IS-13630-9	
iii	Chemical properties:				
a	Resistance to Staining	Min. class 1	Min. class 1	IS-13630-8	
b	Resistance to Chemical	Class AA, Min	Class AA, Min	IS-13630-8	