Click and Go Outdoor 28 mm thickness

Size and general information	Unit	Specification
System size[1]	mm	599 x 599
Total System height[2]	mm	28.0
Surface		ceramic tile
Tile size[3]	mm	595 x 595 x 20.0
Backside of the flooring system		polyurethane locking system
Storage		Indoor storage is recommended
Water drainage		A subfloor drainage is strongly recommended.
Laying temperature		-5 to + 35°C
Information for Installation		
Installation methods		cross-bond, half-offset or random structure
Possible staggered installation (multiples of)	mm	50
Usage – laying		on 4cm grit[4]
Recommended Sloping	%	2[5]
Data for the laid elements[6]		
Weight approx.	kg / m²	46
Average width of joint	mm	4
Resistance of the joints to liquids		very good[7]
load values		It depends on subfloors.
Anti-Slip-Class, abrasive-strength		According to the series' Technical Sheet

[1] Tolerance element size: -0,0% / +0,07% of the nominal dimension.
[2] Thickness tolerance: ±5% of the nominal dimension.
[3] See tile's tolerance from pag. 1, Ceramic Tile Technical Sheet.
[4] Observe the Information on laying floor system CLICK AND GO. The substructure has to be permanently stable. The local conditions, regulations and standards must be observed.
[5] Ibidem.
[6] Please note the installation guidelines for CLICK AND GO systems.
[7] Polyurethane as material for the joints does not absorb any liquids. Stains can be removed. Organic liquids, especially solvents, can cause changes in colour when left too long on the joints. Please refer to CLICK AND GO cleaning instructions for flooring system.

Last update: May 2019

click and go

TECHNICAL FEATURES	
Collection: CLICK AND GO OUTDOOR	Brand: Ceramic tiles
Size (cm): 60x60	Thickness (mm): 20 mm

Compliant with standard EN 14411:2016 annex G group BIa – GL/UGL
Compliant with standard ISO 13006:2018 annex G group BIa – GL/UGL

Technical Features	Testing Method	Meas. unit	Average Typical Values	Established limits		
DIMENSIONAL PROPERTIES AND SURFACE QUALITY						
Dimensions				Nominal Length of edge N (cm) 7≤N<15	Nominal Length of edge N (cm) N≥15	
Length and width (*)	ISO 10545-2	(mm) (%)	Complies with the standards	±2% (max 5mm)	±2% (max 5mm)	±2% (max 5mm)
Length and width (**)			Complies with the standards	±0,9 mm	±0,6%	±2,0 mm
Thickness			Complies with the standards	±0,5 mm	±5%	±0,5 mm
Straightness of sides			Complies with the standards	±0,75 mm	±0,5%	±1,5 mm
Rectangularity			Complies with the standards	±0,75 mm	±0,5%	±2,0 mm
Surface Flatness c.c - e.c. - w.			Complies with the standards	±0,75 mm	±0,5%	±2,0 mm
Surface Quality		(%)	Complies with the standards	≥95%		
PHYSICAL PROPERTIES						
Water absorption	ISO 10545-3	(%)	<= 0,5	Eb ≤ 0,5 (Individual maximum value 0,6%)		
Modulus of rupture	ISO 10545-4	(N/mm2)	>= 50	R ≥35 (Individual minimun value 32 N/mm2)		
Breaking Strength	ISO 10545-4	(N)	>= 4000	≥1300 (Thickness ≥7,5 mm) ≥700 (Thickness < 7,5 mm)		
Resistance to surface abrasion	Internal Method		As declared in catalog			
Linear thermal expansion coefficient	ISO 10545-8	(x(10)-6/°C)	<=9	Declared value (EN 14411:2016) Test Method available (ISO 13006:2016)		
Thermal shock resistance	ISO 10545-9		Complies with the standards	Declared value (EN 14411:2016) **** Test Method available (ISO 13006:2016)		
Crazing Resistance	ISO 10545-11		Complies with the standards	Pass according to EN ISO 10545-1 (EN 14411:2016) Required (ISO 13006:2016)		
Frost resistance	ISO 10545-12		Complies with the standards	Pass according to EN ISO 10545-1 (EN 14411:2016) Required (ISO 13006:2016)		
Reaction to fire	-	-	Floor/Wall Class A1 FL / A1	Class A1 or Class A1 FL (EN 14411:2016)		
Colour resistance to light exposure	DIN 51094		Complies with the standards	No sample must show noticeable colour modifications.		

click and go

TECHNICAL FEATURES	
Collection: CLICK AND GO OUTDOOR	Brand: Ceramic tiles
Size (cm): 60x60	Thickness (mm): 20 mm

Technical Features	Testing Method	Meas. unit	Average Typical Values	Established limits
CHEMICAL PROPERTIES				
Resistance to chemicals for household use and swimming pool salts	ISO 10545-13		A	GB Minimum (EN 14411:2016) GB Minimum (ISO 13006:2016)
Resistance to low concentrations of acids and alkalis	ISO 10545-13		LA	Declared value (EN 14411:2016) Test Method available (ISO 13006:2016)
Resistance to high concentrations of acids and alkalis	ISO 10545-13		HA	Declared value (EN 14411:2016) Test Method available (ISO 13006:2016)
Stain resistance	ISO 10545-14		Class 5	Minimum class 3 (EN 14411:2016) Minimum class 3 (ISO 13006:2016)
ANTISLIPPERY PROPERTIES				
Slipperiness Resistance: Ramp Method	DIN 51130 B.G.R. 181		R11	from R9 to R13
Slipperiness Resistance: B.C.R.	D.M. N.236 14/6/89		$\mu > 0,40$	$\mu > 0,40$
Slipperiness Resistance: Pendulum	ENV 12633 BOE N.74 del 2006		Class 3	From Class 0 to Class 3

* The work size shall be chose, for non-modular tiles, so that the difference between the work size and the nominal size is:
** The deviation, in percent, of the average size for each tile (2 or 4 sides) from the work size..
**** See Table 2 for uses where it is applicable
c.c. Centre curvature, related to diagonal calculated from the work sizes
e.c. Edge curvature, related to the corresponding work sizes.
w. Warpage, related to diagonal calculated from the work sizes.

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TECHNICAL FEATURES	
Collection: **CLICK AND GO** OUTDOOR	Brand: Ceramic tiles
Size (cm): 60x60	Thickness (mm): 20 mm

• **Static test - Load test on the element resting on 4 pedestals**	**Standard of reference**	**Value declared**
 Concentrated static breaking load (centre of panel)*	EN 12825	≥ 7,0 kN кН
 Concentrated static breaking load (centre of side)*		≥ 6,0 kN кН
 Concentrated static breaking load (diagonal)*		≥ 6,0 kN кН
The specimen tested consists of a raised floor panel measuring 600x600 mm with thickness 20 mm, in porcelain stoneware. The panel was tested by placing it on four adjustable-height plastic pedestals 100 mm tall.		
A similar static load test was performed following an in-house procedure based on some of the recommendations of the 2003 edition of the UNI EN 12825 standard, for indoor raised floors with 5 pedestals. The slab was tested by placing it on 5 plastic pedestals, with one pedestal in the centre of the slab and the others in the 4 corners.		
Element permanent deformation test	EN 12825	Test passed
• Dynamic load - Hard body impact test	EN 12825	Test failed
• Dynamic load - Soft body impact test	EN 12825	Test passed
Vertical load test on pedestal	EN 12825	Test results declared by the pedestal's supplier

TYPE OF TEST	**TEST OUTCOME**		
• **Static test - Load test on the element**	**Standard of reference**	**Value declared**	**Classification**
 Breaking strength **	EN 1339 ANNEX F	Classe del carico di rottura 110 Classe di resistenza a flessione 2	U11
** Values refer to the test methods for plain concrete pavings and complementary pieces			

*The breaking strain value (expressed in Newtons [N]) is the force required to break the panel in the test points.