

Model: LIEM BLACK NATURE 150X300 (6)(A)

Codes: 100243097

Absorption: Bla - Porcelanico (E<=0.1%)

Family: LIEM

Tone variations: V3



### DIMENSIONAL FEATURES

UNE-EN ISO 10545-2

Length	3000 MM	
Thickness	6 MM	
Width	1500 MM	
Length and width deviation	Below 0.20%	+/-0.3%*
Side straightness deviation	Below 0.15%	+/-0.3%*
Squareness deviation	Below 0.20%	+/-0.3%*
Surface flatness deviation	Below 0.20%	+/-0.4%*

\*ISO-13006:2015 UNE-EN 14411:2017

### MECHANICAL FEATURES

UNE-EN ISO 10545-4-6-7-11

Breaking strenght	>1100 N	
Modulus of rupture	>45 N/MM2	
Abrasion resistance	<140	

\*ISO-13006:2015 UNE-EN 14411:2017

### HYGIENIC FEATURES

UNE-EN ISO 10545-13-14

Chemical resistance	CLASE A	
Stain resistance	5	

\*ISO-13006:2015 UNE-EN 14411:2017

### ANTI-SLIP VALUE

CEN/TS 41901/02, DIN-51130 y ASTM A137.1

Dynamic coefficient of friction	>0.42	
Slip resistance (pendulum-wet)	CL1	
Slip resistance (ramp)	R9-A	
Stain resistance	5	
4s	DRY>36-LOW_WET>24-MOD.	
Slip resistance (pendulum-dry)	>65	

\*ISO-13006:2015 UNE-EN 14411:2017

### SCOPE OF USE

Technical code-1	Use on walls	
Technical code-2	Dry interior floors	

Certified company



Do not use cleaning agents containing hydrofluoric acid.

It is recommended to fix tiles with a minimum joint of 1,5 mm. Do not fix without joint.

For big sizes, it is recommended to fix with mortars containing polymeric additives and to use the double glueing technique.

Mosaic tiles must be grouted.

This document is only commercial and cannot be used as expert opinion, documentary evidence or in any legal or administrative procedure unless authorized by URBATEK S.A.

In its polished finish, due to high gloss, light reflection can create optical effects that resemble stains. In no case they do not comply with the ISO 13006 product standard.

Being the ceramic material that most resembles natural stone, it can show slight variations in shade, color spots and vein among pieces.

#Refer to section 4 of the support document DB/SUA 3. This material can be installed in public, dry areas with a slope under 6% (it gets the same classification as a Class 1 according to wet pendulum).

## PACKING

Sales units per box	4.5 M2/BOX
Sales units per pallet	225 M2/PAL
Sales units per unit	4.5 M2/PIECE

## ADDITIONAL NOTES

\*CONTINUOUS COMPOSITION, MAXIMUM IMAGE DEVIATION 3CM (Avoid direct access from the outside if no abrasive protection device is provided)

Certified company



Do not use cleaning agents containing hydrofluoric acid.

It is recommended to fix tiles with a minimum joint of 1,5 mm. Do not fix without joint.

For big sizes, it is recommended to fix with mortars containing polymeric additives and to use the double glueing technique.

Mosaic tiles must be grouted.

This document is only commercial and cannot be used as expert opinion, documentary evidence or in any legal or administrative procedure unless authorized by URBATEK S.A.

In its polished finish, due to high gloss, light reflection can create optical effects that resemble stains. In no case they do not comply with the ISO 13006 product standard.

Being the ceramic material that most resembles natural stone, it can show slight variations in shade, color spots and vein among pieces.

#Refer to section 4 of the support document DB/SUA 3. This material can be installed in public, dry areas with a slope under 6% (it gets the same classification as a Class 1 according to wet pendulum).