

Model: LONDON NOGAL 23X200(A)

Codes: 100364200

Water absorption: Bla - Porcelain tile ( $w_a \leq 0.1\%$ )

Finish: Glazed / Standard

Tone variations: V3

Rectified: Yes



## DIMENSIONAL FEATURES

 UNE-EN ISO 10545-2

|                             |             |          |
|-----------------------------|-------------|----------|
| Thickness                   | 11.5 mm     | +/-5%*   |
| Width                       | 230 mm      |          |
| Length                      | 2000 mm     |          |
| Length and width deviation  | Below 0.15% | +/-0.3%* |
| Side straightness deviation | Below 0.15% | +/-0.3%* |
| Squareness deviation        | Below 0.15% | +/-0.3%* |
| Surface flatness deviation  | Below 0.15% | +/-0.4%* |

\*ISO-13006:2018 UNE-EN 14411:2016

## FEATURES



Natural-looking, non-glossy surface finish.



Relief effect in perspective. The relief is observed depending on how the light hits the surface and the viewing angle. Convex: achieved using a glue injector and granule adhesion. Concave: achieved using a water-repellent injector. Direct: achieved using a water-based enamel injector to create 3D volume layers



Name given to the finish of those tiles dimensionally improved after the firing process.



Installation on floor

## MECHANICAL FEATURES

 UNE-EN ISO 10545-4-6-7-9-11

|                             |                        |                          |
|-----------------------------|------------------------|--------------------------|
| Breaking strength           | 4452.1 N               | >1300 N*                 |
| Modulus of rupture          | 51.4 N/mm <sup>2</sup> | >=35 N/mm <sup>2</sup> * |
| Abrasion resistance         | 3                      |                          |
| Crazing resistance          | PASS                   |                          |
| Resistance to thermal shock | RESISTE                |                          |

\*ISO-13006:2018 UNE-EN 14411:2016

## HYGIENIC FEATURES

 UNE-EN ISO 10545-13-14

|                     |                                                                                                            |         |
|---------------------|------------------------------------------------------------------------------------------------------------|---------|
| Chemical resistance | Class "A" for swimming pools and cleaning products (resists attack). Minimum Class "B" for acids and bases | B Min.* |
| Stain resistance    | Class 5. Easy cleaning with water                                                                          | 3 Min.* |

\*ISO-13006:2018 UNE-EN 14411:2016

System Certification



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.

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## ANTI-SLIP VALUE

Reference standards: EN 16165 (Annex A, B, C) - ANSI A326.3 - AS 4586

|                                              |                     |                       |
|----------------------------------------------|---------------------|-----------------------|
| Dynamic coefficient of friction (dcof)       | 0.72 (T3C2)         | ANSI A326.3*          |
| Slip resistance (wet pendulum) irhd 55       | CL1                 | UNE EN 16165 Anexo C* |
| Slip resistance (shod feet)                  | R-10                | TONO 1*               |
| Pendulum test value (ptv) irhd 96            | WET 43/DRY64 (T3C2) | BS EN 16165 Anexo C*  |
| Slip resistance (wet pendulum) (aus) irhd 55 | P2                  | AS 4586*              |
| Slip resistance (wet pendulum) (aus) irhd 96 | P3                  | AS 4586*              |

\*ISO-13006:2018 UNE 14411:2016 ANSI 137.1 AS 4662

## DETERMINATION OF LIGHT REFLECTANCE VALUE (LRV)

UNE-EN ISO 10545-18

|                                                |       |  |
|------------------------------------------------|-------|--|
| Determination of light reflectance value (Irv) | 27.02 |  |
|------------------------------------------------|-------|--|

\*ISO-13006:2018 UNE-EN 14411:2016

## PACKING

|                        |                   |  |
|------------------------|-------------------|--|
| Sales units per box    | 0.920006 M2/BOX   |  |
| Sales units per pallet | 44.160265 M2/PAL  |  |
| Sales units per unit   | 0.460003 M2/PIECE |  |

## SCOPE OF USE

|                  |                                  |  |
|------------------|----------------------------------|--|
| Technical code-1 | 5 - Use on medium traffic floors |  |
|------------------|----------------------------------|--|

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## RECOMMENDED USE LOCATIONS

### Single-family dwelling

Outdoor Premises: Porches, verandah, terrace, outdoor access or circulation area

Indoor Premises - Dry: Entrance and other enclosures with direct opening to the outside (garden, terrace, storage room).

Indoor Premises - Dry: Room, room, bedroom or other enclosure without direct access to the outdoors.

Indoor Premises - Dry: Individual staircase

Indoor Premises - Wet: Kitchen, mini kitchen in living area, laundry room

Indoor Premises - Humid: Bathroom or Toilet

### Collective housing

Outdoor premises: Balconies, terraces, galleries (not accessible from the outside)

Indoor Premises - Common Elements: Entrance Hall (less than 15 dwellings)

Indoor Premises - Common Elements: Stairs and corridors with or without lifts

Indoor Premises - Common Elements: Meter centralisation room

Indoor Premises - Common Elements: Storage rooms for children's cars, bicycles, etc.

Indoor Premises - Residential - Dry: Entrance, living room, dining room, professional office with reception of customers

Indoor Premises - Housing - Dry: Bedrooms, personal office, storage room, changing room

Indoor Premises - Dwelling - Damp: Kitchen, mini kitchen and living area, laundry room

Indoor Premises - Dwelling - Damp: Bathrooms or shower rooms

### Public Residential

Single or double rooms

Group rooms

Intensive use dormitories in residences, schools, etc.

### Administrative

Office with workstation

Collective office, open plan office

Meeting/conference room, shops and retail (sales area)

Shops, warehouses with average public attendance (sales area)

### Commercial

Shops and retail trade (Sales area)

Shops, warehouses with average public attendance (sales area)

### Teacher

Pre-school and Primary: Classroom without direct opening to the exterior

Infant and Primary: Playroom, exercise, multi-purpose room without direct opening to the outside.

Secondary, Baccalaureate and University: Classroom without direct opening to the outside.

Secondary, Baccalaureate and University: Multi-purpose classroom, meetings

Secondary, Baccalaureate and University: Other laboratories (physics, electricity, radiation, mechanics).

### Sanitary

Single-user room, isolation room

Collective room

Major and minor operating theatres. Operating theatres

Radiological premises

Rehabilitation, massage, therapy and rehabilitation centres

Laboratories (no public access)

### Public attendance

Catering: Dining room restaurant, bar, cafeteria (medium use)

Catering: Dining room, company cafeteria

Libraries and reading rooms: Libraries, reading rooms, houses of worship, museums (Internal use)

### Common transit areas

Indoor premises: Corridors and common areas with average traffic

### Service, facilities

Toilets in office areas, restricted use

Sanitary premises special hygiene (hospitals, food)

Premises for telephone, computer and other dry installations

### System Certification



Re-printing service, copies of plans, photography

Archive and storage premises

#### Various

Cladding of bonded or mixed facades

Facade cladding with mechanical anchors

Kitchen worktops, bars, restaurants

Public bathroom countertops

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