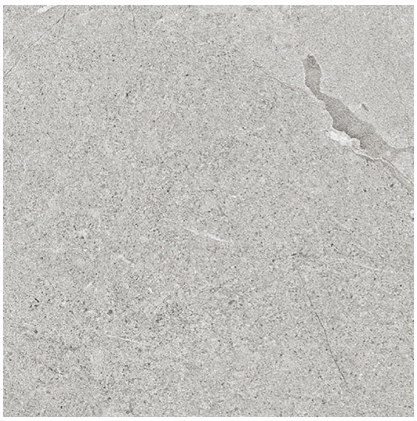
Model: LUCERNA ACERO L 120X120(A)
Codes: 100320160
Water absorption: BIa - Porcelain tile (wa <= 0.1%)
Finish: Glazed / Standard
Tone variations: V3
Rectified: Yes



Sistema DAPc® Declaración Ambiental de Productos de Construcción

## DIMENSIONAL FEATURES
UNE-EN ISO 10545-2

| | | |
|---|---|---|
| Thickness | 8.5 mm | +/-5%* |
| Width | 1200 mm | |
| Length | 1200 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.

HIGHKER An exclusive large-format floor tile which has been thought up for those surfaces that look for an optical continuity and greater spaciousnes.

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 | 2366 N | >1300 N* |
| Modulus of rupture | 53 N/mm2 | >=35 N/mm2* |
| Abrasion resistance | 4 | |
| 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 recomended 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) | 0.62 (T8C2) | |
| Slip resistance (wet pendulum) irhd 55 | CL1 | UNE-EN 16165:2022 Anexo C* |
| Slip resistance (shod feet) | R-9 | TONO 2 / ID 972* |
| Pendulum test value (ptv) irhd 96 | WET 31 / DRY 65 (T8C2) | |
| Slip resistance (wet pendulum) (aus) irhd 55 | P2 | AS 4586* |
| Slip resistance (wet pendulum) (aus) irhd 96 | P2 | 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 (lrv) | 38.84 | |

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

## PACKING

| | | |
|---|---|---|
| Sales units per box | 1.440092 M2/BOX | |
| Sales units per pallet | 60.483871 M2/PAL | |
| Sales units per unit | 1.440092 M2/PIECE | |

## SCOPE OF USE

| | | |
|---|---|---|
| Technical code-1 | 6 - Use on heavy 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) |
| Interior Premises - Common Elements: Entrance Hall (more 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) |
| Department stores, hypermarkets, shopping centres (sales area) |
| **Commercial** |
| Shops and retail trade (Sales area) |
| Shops, warehouses with average public attendance (sales area) |
| Department stores, shopping centres (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 |
| Waiting rooms, consultation rooms, distribution corridors |
| Major and minor operating theatres. Operating theatres |
| Radiological premises |
| Rehabilitation, massage, therapy and rehabilitation centres |
| Laboratories (no public access) |
| **Public attendance** |
| Catering: Main dining room, banqueting hall (intensive use) |
| Catering: Dining room restaurant, bar, cafeteria (medium use) |
| Catering: Dining room, company cafeteria |
| Entertainment and recreation: Large hall for receptions, dances, discotheques. Intensive use |
| Entertainment and recreation: Showroom, cinema, theatre, sports activities, amphitheatres, games (Closed) |

System Certification



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| |
|---|
| Entertainment and recreation: lounges, waiting room, TV lounge, games room |
| Libraries and reading rooms: Libraries, reading rooms, temples of worship, museums (With public access) |
| Libraries and reading rooms: Libraries, reading rooms, houses of worship, museums (Internal use) |
| **Common transit areas** |
| Indoor premises: corridors and common areas with heavy traffic |
| 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 |
| 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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