

Model: BERNA ACERO L 47"X47" approx.

Codes: 100306313

Water absorption: Bla - Porcelanico ($E \leq 0.1\%$)



DIMENSIONAL FEATURES

| | | |
|-----------------------------|----------------|----------|
| Thickness | 5/16" approx | +/-5%* |
| Width | 47 1/4" approx | |
| Length | 47 1/4" approx | |
| 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%* |

*ASTM C485/C499/C502

MECHANICAL FEATURES

| | | |
|--------------------|------------------|----------|
| Breaking strength | 532.11 LBF | >292LBF* |
| Modulus of rupture | 11.92 LBF | >=8LBF* |
| Crazing resistance | Resists 3 cycles | |

*ASTM C648

HYGIENIC FEATURES

| | | |
|---------------------|--|---------|
| 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.* |

*ASTM C650/C1378

ANTI-SLIP VALUE

| | | |
|---------------------------------|-------|--|
| Dynamic coefficient of friction | >0,42 | |
| Slip resistance (pendulum-wet) | CL1 | |

*ANSI A326.3

PACKING

| | | |
|------------------------|----------------|--|
| Sales units per box | 15.5 SQF/CS | |
| Sales units per pallet | 651.04 SQF/PAL | |
| Sales units per unit | 15.5 SQF/ST | |

SCOPE OF USE

| | | |
|------------------|---------------------------------|--|
| Technical code-1 | 6 - Use on heavy traffic floors | |
|------------------|---------------------------------|--|

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 gluing technique.

Mosaic tiles must be grouted.

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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: 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 - 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)

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)

System Certification



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

System Certification

