

Model: HANNOVER TOPO L 47"X47" approx.

Codes: 100310916

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

Finish: Glazed / Standard

Tone variations: V3

Rectified: Yes







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

FEATURES

 Natural-looking, non-glossy surface finish.	 An exclusive large-format floor tile which has been thought up for those surfaces that look for an optical continuity and greater spaciousness.
 General deshaded design with a degree of color and appearance variation.	 Name given to the finish of those tiles dimensionally improved after the firing process.
 U3	 Installation on floor

MECHANICAL FEATURES

Breaking strength	532.11 LBF	>292LBF*
Modulus of rupture	11.92 LBF	>=8LBF*
Abrasion resistance	4	EN ISO 10545-7*
Crazing resistance	Resists 3 cycles	
Qb-upec (u)	3	
Qb-upec (p)	3	
Qb-upec (e)	3	
Qb-upec (c)	2	
Resistance to thermal shock	RESISTE	UNE-EN ISO 10545-9:2013*

*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

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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ANTI-SLIP VALUE

Dynamic coefficient of friction (dcof)	0.68 (T11C2)	
Slip resistance (wet pendulum) irhd 55	CL1	
Slip resistance (shod feet)	<R-9	(5 ^o) T10C2*
Pendulum test value (ptv) irhd 96	WET 33 / DRY 54 (T11C2)	

*ANSI A326.3

DETERMINATION OF LIGHT REFLECTANCE VALUE (LRV)

Determination of light reflectance value (Irv)	38.41	
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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	
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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

