

Model: MINNESOTA ASH 23X150(A)

Codes: 100339701

Water absorption: Bla - Porcelanico (E<=0.1%)

Finish: Glazed / Standard Tone variations: V3

Rectified: Yes





	DIMENSIONA UNE-EN IS	
Thickness	11 mm	+/-5%*
Width	230 mm	
Length	1500 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%*

<sup>\*</sup>ISO-13006:2018 UNE-EN 14411:2016

# **FEATURES**

Natural-looking, non-glossy surface finish.

General deshaded design with a degree of color and appearance variation.

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

Installation on floor

	MECHANICAL FEATURES UNE-EN ISO 10545-4-6-7-11	
Breaking strength	3396 N	>1300N*
Modulus of rupture	51 N/mm2	>=35N/mm2*
Abrasion resistance	3	
Crazing resistance	Resists 3 cycles	
Resistance to thermal shock	RESISTE	

<sup>\*</sup>ISO-13006:2018 UNE-EN 14411:2016

	HYGIENIC FEATURES UNE-EN ISO 10545-13-14:1995	
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		

	ANTI-SLIP VALUE EN 16165: 2022 / ANSI 137	
Dynamic coefficient of friction (dcof)	0.76 (T-3C2)	
Slip resistance (wet pendulum) trrl	CL1	
Pendulum test value (ptv) 4s	WET 34 / DRY 62 (T-3C2)	

<sup>\*</sup>ISO-13006:2018 UNE-EN 14411:2016

System Certification







100339701 MINNESOTA ASH



	PACKING	
Sales units per box	1.724971 M2/BOX	
Sales units per pallet	41.399296 M2/PAL	
Sales units per unit	0.344994 M2/PIECE	
	SCOPE OF USE	
Technical code-1	5 - Use on medium traffic floors	

System Certification









# **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)

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

Office with workstation

Collective office, open plan office

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

Shops, warehouses with average public attendance (sales area)

Shops and retail trade (Sales area)

Shops, warehouses with average public attendance (sales area)

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

Re-printing service, copies of plans, photography

Archive and storage premises

System Certification





