

Model: MANHATTAN COGNAC 19,3X180(A)

Codes: 100190050

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



DIMENSIONAL FEATURES

UNE-EN ISO 10545-2

Thickness	11.5 MM	+/-5%*
Width	193 MM	
Length	1800 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

MECHANICAL FEATURES

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

Breaking strength	4081.7 N	>1300N*
Modulus of rupture	58 N/MM2	>=35N/mm2*
Abrasion resistance	PEI 3 / 600v	
Crazing resistance	Resists 3 cycles	

*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

SCOPE OF USE

Technical code-1	Use on medium traffic floors	
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ANTI-SLIP VALUE

EN 16165: 2022 / ASTM C1028

Dynamic coefficient of friction	>0,42	
Slip resistance (pendulum-wet)	CL1	
Slip resistance (bare feet)	B	
4s	WET-31/DRY-52	

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

System Certification



PACKING

Sales units per box	1.042209 M2/BOX	
Sales units per pallet	56.279312 M2/PAL	
Sales units per unit	0.347403 M2/PIECE	

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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