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TECHNICAL CHARACTERISTICS

MDi |  iSILMM

NATURAL FINISH

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## Technical properties of Inalco's MDi


Dry-pressed slabs with a water absorption of less than 0.5%

GROUP Bla, Appendix G

ISO 13006, UNE-EN 14411

Finish	<b>Natural</b>		
Thickness and sizes	10.5 mm	<b>100 x 100 cm</b>	
	6 mm	<b>160 x 320 cm R / 30 X 320 cm / 160 x 160 cm / 100 x 250 cm / 100 x 100 cm</b>	

TECHNICAL CHARACTERISTICS AS PER APPLICABLE STANDARD:	Reference standard	Required value	Obtained mean value*
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PHYSICAL CHARACTERISTICS			
<b>Water absorption</b>	EN-ISO 10545-3	E ≤ 0.5%	E ≤ 0.5%
<b>Bending strength (N/mm<sup>2</sup>)</b>	EN-ISO 10545-4	> 35 N / mm <sup>2</sup>	Surpasses required value
<b>Breaking strength (N)</b>	EN-ISO 10545-4	Standard Thickness	> 1,300 N
			> 700 N
<b>Resistance to deep abrasion</b>	EN-ISO 10545-6	≤ 175 mm <sup>3</sup>	≤ 135 mm <sup>3</sup>
<b>Linear thermal expansion</b>	EN-ISO 10545-8	Method available	≤ 9x10 <sup>-6</sup> K <sup>-1</sup>
<b>Thermal shock resistance</b>	EN-ISO 10545-9	Method available	Resistant
<b>Frost resistance</b>	EN-ISO 10545-12	Required	Resistant
<b>Crazing resistance</b>	EN-ISO 10545-11	Required	Resistant

CHEMICAL CHARACTERISTICS			
<b>Resistance to low concentrations of acids and alkalis</b>	EN-ISO 10545-13	As indicated by manufacturer	Resistant (LA)
<b>Resistance to household cleaning products and swimming pool additives</b>	EN-ISO 10545-13	Min. B	Resistant (A)
<b>Resistance to staining</b>	EN-ISO 10545-14	Min. Class 3	Class 5

DIMENSIONAL CHARACTERISTICS: PERMISSIBLE DEVIATION FROM WORK SIZE			
<b>Length and width</b>	EN-ISO 10545-2	±0,3% / ±1,0 mm	±0,3% / ±1,0 mm
<b>Thickness</b>	EN-ISO 10545-2	±5% / ±0,5 mm	±5% / ±0,5 mm
<b>Straightness of sides</b>	EN-ISO 10545-2	±0,3% / ±0,8 mm	±0,3% / ±0,8 mm
<b>Squareness</b>	EN-ISO 10545-2	±0,3% / ±1,5 mm	±0,3% / ±1,5 mm
<b>Surface flatness</b>	EN-ISO 10545-2	±0,4% / ±1,8 mm	±0,4% / ±1,8 mm
<b>Surface appearance</b>	EN-ISO 10545-2	Min. 95% of slabs without defects	Min. 95% of slabs without defects

\*Results obtained from test samples.

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REACTION TO FIRE			
<b>Reaction to fire of construction products and building elements</b>	EN 13051	As indicated by manufacturer	A1 - A1 <sub>FL</sub>
<b>Flame spread rating</b>	ASTM E-84	As indicated by manufacturer	Class I - A

TECHNICAL CHARACTERISTICS OF NON-SLIP PRODUCTS			
<b>Technical characteristics of non-slip products</b>	UNE-ENV 41901:2017	-----	Class 1 - 2
	ASTM - C 1028	-----	> 0.6
	DCOF: ANSI A 137.1:2012	-----	> 0.42
	DIN 51130	-----	R9 - R10
	DIN 51097	-----	A / A+B

\* Results obtained from test samples.



**INDUSTRIAS ALCORENSES CONFEDERADAS S.A.**

C/ San Salvador, 54

12110, Alcora, Castellón (Spain)

(+34) 964 368 000

[www.inalco.global](http://www.inalco.global)[www.inalcotrends.com](http://www.inalcotrends.com)



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