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TECHNICAL CHARACTERISTICS

MDi |  iSulimm

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>150 x 320 cm R / 28,5 x 320 cm / 150 x 150 cm / 30 x 150 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	Surpasses required value
		 > 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	±0.6% / ±2.0 mm	±0.6% / ±2.0 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	±0.5% / ±1.5 mm	±0.5% / ±1.5 mm
<b>Squareness</b>	EN-ISO 10545-2	±0.6% / ±2.0 mm	±0.6% / ±2.0 mm
<b>Surface flatness</b>	EN-ISO 10545-2	±0.6% / ±2.0 mm	±0.6% / ±0.5 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.



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Publication date: July 2021