
TECHNICAL CHARACTERISTICS

MDi |  SILMM

POLISHED FINISH

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	Polished		
Thickness and sizes	6 mm	160 x 320 cm R / 100 x 250 cm	

TECHNICAL CHARACTERISTICS AS PER APPLICABLE STANDARD:	Reference standard	Required value	Obtained mean value*
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PHYSICAL CHARACTERISTICS			
Water absorption	EN-ISO 10545-3	E ≤ 0.5%	E ≤ 0.5%
Bending strength (N/mm²)	EN-ISO 10545-4	> 35 N / mm ²	Surpasses required value
Breaking strength (N)	EN-ISO 10545-4	Standard Thickness > 1,300 N	Surpasses required value
		 > 700 N	
Resistance to deep abrasion	EN-ISO 10545-6	≤ 175 mm ³	≤ 135 mm ³
Linear thermal expansion	EN-ISO 10545-8	Method available	≤ 9x10 ⁻⁶ K ⁻¹
Thermal shock resistance	EN-ISO 10545-9	Method available	Resistant
Frost resistance	EN-ISO 10545-12	Required	Resistant
Crazing resistance	EN-ISO 10545-11	Required	Resistant

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

DIMENSIONAL CHARACTERISTICS: PERMISSIBLE DEVIATION FROM WORK SIZE			
Length and width	EN-ISO 10545-2	±0,3% / ±1,0 mm	±0,3% / ±1,0 mm
Thickness	EN-ISO 10545-2	±5% / ±0,5 mm	±5% / ±0,5 mm
Straightness of sides	EN-ISO 10545-2	±0,3% / ±0,8 mm	±0,3% / ±0,8 mm
Squareness	EN-ISO 10545-2	±0,3% / ±1,5 mm	±0,3% / ±1,5 mm
Surface flatness	EN-ISO 10545-2	±0,4% / ±1,8 mm	±0,4% / ±1,8 mm
Surface appearance	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			
Reaction to fire of construction products and building elements	EN 13051	As indicated by manufacturer	A1 - A1 _{FL}
Flame spread rating	ASTM E-84	As indicated by manufacturer	Class I - A

* Results obtained from test samples.



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