
TECHNICAL CHARACTERISTICS

MDi |  SIMM

DT (DIGITAL TEXTURE) 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	DT (DIGITAL TEXTURE)
Thickness and sizes	10,5 mm 100 x 100 cm 6 mm 160 x 320 cm R / 150 x 320 cm R / 150 x 150 cm / 100 x 250 cm / 100 x 100 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	$E \leq 0.5\%$	$E \leq 0.5\%$
Bending strength (N/mm²)	EN-ISO 10545-4	$> 35 \text{ N / mm}^2$	Surpasses required value
Breaking strength (N)	EN-ISO 10545-4	Standard Thickness	$> 1,300 \text{ N}$
			$> 700 \text{ N}$
Resistance to deep abrasion	EN-ISO 10545-6	$\leq 175 \text{ mm}^3$	$\leq 135 \text{ mm}^3$
Linear thermal expansion	EN-ISO 10545-8	Method available	$\leq 9 \times 10^{-6} \text{ K}^{-1}$
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 (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	$\pm 0,3\% / \pm 1,0 \text{ mm}$	$\pm 0,3\% / \pm 1,0 \text{ mm}$
Thickness	EN-ISO 10545-2	$\pm 5\% / \pm 0,5 \text{ mm}$	$\pm 5\% / \pm 0,5 \text{ mm}$
Straightness of sides	EN-ISO 10545-2	$\pm 0,3\% / \pm 0,8 \text{ mm}$	$\pm 0,3\% / \pm 0,8 \text{ mm}$
Squareness	EN-ISO 10545-2	$\pm 0,3\% / \pm 1,5 \text{ mm}$	$\pm 0,3\% / \pm 1,5 \text{ mm}$
Surface flatness	EN-ISO 10545-2	$\pm 0,4\% / \pm 1,8 \text{ mm}$	$\pm 0,4\% / \pm 1,8 \text{ mm}$
Surface appearance	EN-ISO 10545-2	Min. 95% of slabs without defects	Min. 95% of slabs without defects

*Results obtained from test samples.

Technical properties of Inalco's **MDi**

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

GROUP B1a, Appendix G

ISO 13006, UNE-EN 14411

Finish	DT (DIGITAL TEXTURE)
Thickness and sizes	10,5 mm 100 x 100 cm 6 mm 160 x 320 cm R / 150 x 320 cm R / 150 x 150 cm / 100 x 250 cm / 100 x 100 cm

TECHNICAL CHARACTERISTICS AS PER APPLICABLE STANDARD:	Reference standard	Required value	Obtained mean value*
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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

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

* Results obtained from test samples.



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Publication date: May 2022