



PRODUCT DATA SHEET

ITEM:	IRHAM GRIS NATURAL RECTIFICADO	BRAND:	AZULEJOS BENADRESA, S.A.	
DATE:	29/02/2024	FORMAT:	80X160 cm	
CLASSIFICATION OF FINISHED PRODUCT (UNE-EN-14411)		GROUP:	Bla	ANNEX: G

FACIAL DIMENSIONS RANGE AND SURFACE QUALITY

	UNE-EN-ISO-10545-2	REFERENCE	RESULT
DIMENSIONS			800X1600
LENGTH		± 0,6 %	0,05% / -0,20% 1600,0 mm
WIDTH		± 0,6 %	0,10% / -0,15% 799,9 mm
STRAIGHTNESS OF SIDES		± 0,5 %	0,13% / -0,03%
THICKNESS		± 5,0 %	0,89% / -1,2% 9,0 mm
RECTANGULARITY		± 0,5 %	0,15% / -0,20%
CENTRAL SURFACE FLATNESS		± 0,5 %	0,07% / -0,08%
LATERAL SURFACE FLATNESS		± 0,5 %	0,16% / -0,14%
DIAGONAL SURFACE FLATNESS		± 0,5 %	0,04% / -0,08%

PHYSICAL PROPERTIES

	UNE-EN-ISO-10545-3		
WATER ABSORPTION		$E \leq 0,5\%$	0,1%
	UNE-EN-ISO-10545-4		
BREAKING STRENGTH		MIN 1300 N	2320
MODULUS OF RUPTURE		MIN 35 N/mm ²	43
	UNE-EN-ISO-10545-6		
DETERMINATION TO ABRASION RESISTANCE. DEEP ABRASION		NOT APPLY	NOT APPLY
	UNE-EN-ISO-10545-7		
DETERMINATION TO ABRASION RESISTANCE		REVOLUTIONS 6000	PEI 4
	UNE-EN-ISO-10545-9		
THERMAL SHOCK RESISTANCE			FULFILLED



UNE-EN-ISO-10545-11

CRAZING RESISTANCE		FULFILLED
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UNE-EN-ISO-10545-12

FROST RESISTANCE		FULFILLED
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UNE 67101

DETERMINATION HARDNESS TO SURFACE STRIPPING.MOHS		6
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DETERMINATION OF SLIDING RESISTANCE

VALUE FOLLOWING UNE 41901-EX (PENDULUM)	CLASS	0
VALUE FOLLOWING DIN 51130 (RAMP TEST)	R	
VALUE FOLLOWING DIN 51097 (RAMP TEST BAREFOOT)	CLASS	
VALUE FOLLOWING ANSI A 326.3 (DCOF-BOT 3000E)		

CHEMICAL PROPERTIES

UNE-EN-ISO-10545-13

CHEMICAL RESISTANCE		FULFILLED
HOUSEHOLD CHEMICALS		GA
SWIMMING POOL SALTS		GA
HYDROCHLORIC LOW CONCENTRATION		GLA
CITRIC ACID		GLA
POTASSIUM HYDROXIDE LOW CONCENTRATION		GLA
HYDROCHLORIC HIGH CONCENTRATION		GHA
LACTIC ACID		GHA
POTASSIUM HYDROXIDE HIGH CONCENTRATION		GHA

UNE-EN-ISO-10545-14

RESISTANCE TO STAINS		FULFILLED
IRON OXIDE-CHROME OXIDE		5
IODINE		5
OLIVE OIL		5

The test results of this sheet are made in our production plant with calibrated technology. However, we are non-official laboratory, for this reason all the results are exclusively informative and related to the tested tiles.