

## PRODUCT DATA SHEET

<b>ITEM:</b>	HANNOVER STEEL NATURAL	<b>BRAND:</b>	BALDOCER, S.A.
<b>DATE:</b>	24/09/2018	<b>FORMAT:</b>	40X80 RECT.
<b>CLASSIFICATION OF FINISHED PRODUCT (UNE-EN-14411)</b>		<b>GROUP:</b>	Bla
		<b>ANNEX:</b>	G

### FACIAL DIMENSIONS RANGE AND SURFACE QUALITY

	UNE-EN-ISO-10545-2	REFERENCE	RESULT
DIMENSIONS			400X800
LENGTH		± 0,6 %	-0,10% 799,4 mm
WIDTH		± 0,6 %	0,05% / -0,05% 399,6 mm
STRAIGHTNESS OF SIDES		± 0,5 %	0,05% / -0,08%
THICKNESS		± 5,0 %	-2,11% 9,5 mm
RECTANGULARITY		± 0,5 %	0,12% / -0,18%
CENTRAL SURFACE FLATNESS		± 0,5 %	-0,19%
LATERAL SURFACE FLATNESS		± 0,5 %	0,02% / -0,15%
DIAGONAL SURFACE FLATNESS		± 0,5 %	0,08% / -0,06%

### PHYSICAL PROPERTIES

	UNE-EN-ISO-10545-3		
WATER ABSORPTION		E ≤ 0,5%	0,3%
	UNE-EN-ISO-10545-4		
BREAKING STRENGTH		MIN 1300 N	2486
MODULUS OF RUPTURE		MIN 35 N/mm <sup>2</sup>	37
	UNE-EN-ISO-10545-7		
DETERMINATION TO ABRASION RESISTANCE		REVOLUTIONS	PEI
		2100	4
	UNE-EN-ISO-10545-9		
THERMAL SHOCK RESISTANCE			FULFILLED
	UNE-EN-ISO-10545-11		
CRAZING RESISTANCE			FULFILLED
	UNE-EN-ISO-10545-12		
FROST RESISTANCE			FULFILLED

## UNE 67101

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

VALUE FOLLOWING UNE-ISO-12633 (PENDULUM)	CLASS	1
VALUE FOLLOWING DIN 51130 (RAMP TEST)	R	R10
VALUE FOLLOWING DIN 51097 (RAMP TEST BAREFOOT)	CLASS	B
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.

**BALDOCER, S.A.**  
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