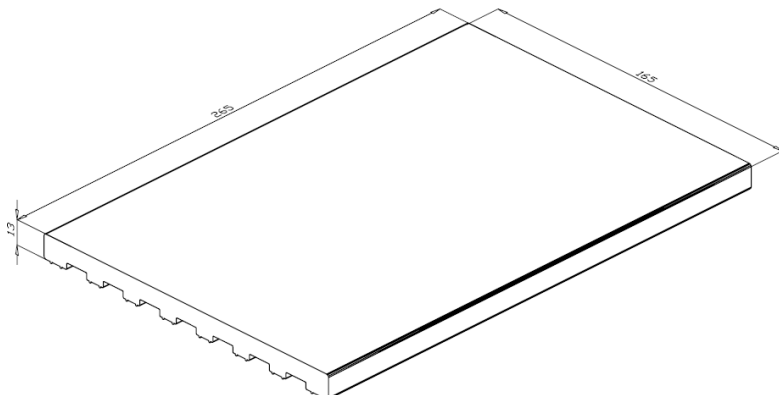


CERÁMICAS CALAF S.A	PRODUCT SHEET		CE
MANUFACTURER: CERÁMICAS CALAF, S.A.			P.S. 09030
Address: Ctra. Folquer a Jorba, km.38,200 – 08280-CALAF (SPAIN)			Date: 01-10-14
 Dimensions in mm.			
SERIES	MONTSERRAT ROJO		
PRODUCT DESIGNATION	Rasilla 16,5x26,5x1,3 cm. (M1)		
Natural extruded ceramic tile, not glazed (UGL), slip resistant, under natural classification of Annex C Part 2, 3%<E _b ≤6%, Group AII _{a-2} of the Standard EN-14411:2012			
For internal and/or external floorings			
Characteristics	Declared value		Tests EN ISO
Dimensions	Length	265 mm	10.545-2
	Width	165 mm	
	Thickness	13 mm	
Dimensional tolerances Length and width (1)	Average of each tile	± 2% and max. ±4 mm	
	Average of ten tiles	± 1,5%	
Dimensional tolerances - Thickness (1)	Average of each tile	± 10%	
Straightness of sides (1)	Maximum deviation	± 1%	
Orthogonality (1)	Maximum deviation	± 1%	
Surface flatness (1)	Central curvature with respect to the diagonal	± 1,5%	
	Lateral curvature	± 1,5%	
	Warping with respect to the diagonal	± 1,5%	
Surface appearance	Tiles free of visible defects that could damage the appearance of a larger area of tile	95%	
Water absorption	Average	3%<E _b ≤6%	10.545-3
	Individual maximum value	5,8%	
Breaking strength	Minimum value	850 N	10.545-4
Flexion resistance	Individual minimum value	19 N/mm ²	
	Average minimum value	21 N/mm ²	
Abrasion resistance	Maximum value	400 mm ³	10.545-6
Linear thermal expansion	Value	<4x10 ⁻⁶ /°C	10.545-8
Thermal shock resistance	Without visible defects	Correct	10.545-9
Frost resistance	Without visible defects	Correct	10.545-12
Chemical resistance	Cleaning products	UA (no visible change)	10.545-13
	Salts of swimming pools	UA (no visible change)	
	Acids and bases with weak concentration	ULA (no visible change)	
	Acids and bases with strong concentration	UHA (no visible change)	
Slipperiness	Average – R _d (Pendulum, slider 57)	> 45 (Class 3)	CEN/TS 16165:2011 Annex C
Reaction to fire	Euroclass	A1 _{FL}	