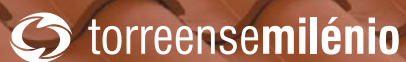


A unique and
attractive look
for your roof



 **torreensemilénio**







It seemed that in tiles and roofing, everything had been invented... But no.

A young and courteous tile was missing that was traditional but new, practical but creative. The tile that come to look to the future is called the Milénio.

The curvature of the piece, which starts at the groove and continues to the outer rim of the tile, involves us unexpectedly in movement and elegance.

But the greatest surprise comes later: have you ever seen the new texture of a Milénio tile?

NORM/FUNCTIONAL DEMAND	SPECIFICATION					
Physical and mechanical characteristics						
 NP EN 538	Flex resistance	1.200 N	Exceeds	Exceeds	Exceeds	
 NP EN 539-1	Coef. of impermeability (Method 2 – Level 1)	Min. $\leq 0,85$ Average $\leq 0,80$	To standard	To standard	To standard	
 NP EN 539-2	Resistance to frost (C Method)	50 Cycles	Exceeds	Exceeds	Exceeds	
Geometrical characteristics						
 NP EN 1024	Coef. of planarity (%)	$\leq 1,5$	To standard	To standard	To standard	
	Rectilinearity (%)	$\leq 1,5$	To standard	To standard	To standard	
	Dimensional stability					
	Length (%)	± 2	To standard	To standard	To standard	
	Width (%)	± 2	To standard	To standard	To standard	
SUMMARY OF TECHNICAL SPECIFICATIONS						
Weight ⁽¹⁾			3,400 Kg	3,000 Kg	3,400 Kg	
Lath spacing ⁽¹⁾			35,5 cm	34,8 cm	35,5 cm	
Length (%)			44,0 cm	43,5 cm	44,0 cm	
Width ⁽¹⁾			25,5 cm	25,0 cm	25,5 cm	
Units per m ²			12,5	13	12,5	
Units per mini-parcel ⁽²⁾			8	8	8	
Units per pallet ⁽²⁾			288	288	288	
Weight per pallet			1.000 Kg	880 Kg	1.000 Kg	

(1) Average value. Due to the intrinsic characteristics of ceramic materials, slight variations of the average values may occur; on-site testing is advised.

(2) Amounts for standard parcels

OBSERVATION: values presented applicable only to tiles of natural colour; these can be changed without prior notice. For more information, please contact our Sales Department.



**01.
EXCELLENT DIMENSIONING OF THE CHANNEL**

Easy and rapid draining of heavy rainfall.



**02.
HIGH LEVEL OF RESISTANCE**

Greater resistance to transport, fitting and walking on the roofing than any other product on the market.



**04.
LARGE RANGE OF ACCESSORIES**

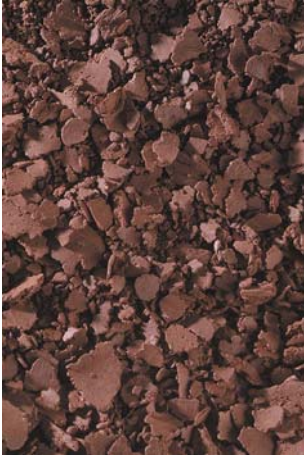
High degree of functional complementarity and aesthetic harmony between pieces (tiles and roofing accessories), with a special note for the introduction of more functional corners (3 and 5 pieces) and a new ventilation tile: simple application with groves with no need to use other application materials.



**03.
HIGH OVERLAPPING AREA AND TOP ADJUSTMENT FLEXIBILITY**

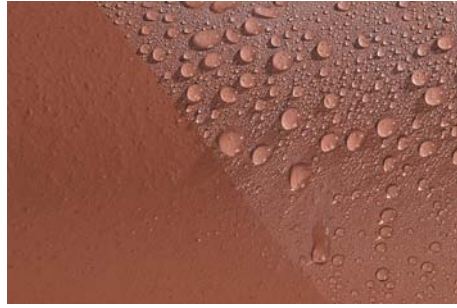
Greater sealing of the roof and resistance to loads and movements on the roof. Possibility of movement of the tops (16mm), with obvious benefits in all coverings, particularly in special projects (restoration of buildings) and in the substitution of tiles while making use of existing battens.





**05.
EXCLUSIVELY SELECTED TYPE OF
CLAY**

Unique natural tonality and uniformity of the surface finishing (minimum fixation/adherence of the materials in suspension).



**06.
PRODUCTS WITHOUT AND WITH WATER REPELLENT**

Availability of the product with or without water repellent. Despite the initial appearance of the water repellent product, Torreense suggests the use of non water repellent products since these have a better long-term performance, especially in terms of resistance to ice and marine salts.



**07.
INCREASED EASE IN THE TRANSPORT AND APPLICATION**

Products (tile and tile accessories) prepared on the pallet in mini packs, reducing breakage in the transport and facilitating handling.



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for your roof

Authentic experience in roof tile manufacturing since 1928 has produced the finest collection of portuguese roof tiles.

High quality clays and modern technology have combined with the expertise and creative visions of generations of professionals to produce innovative and architecturally sound products.

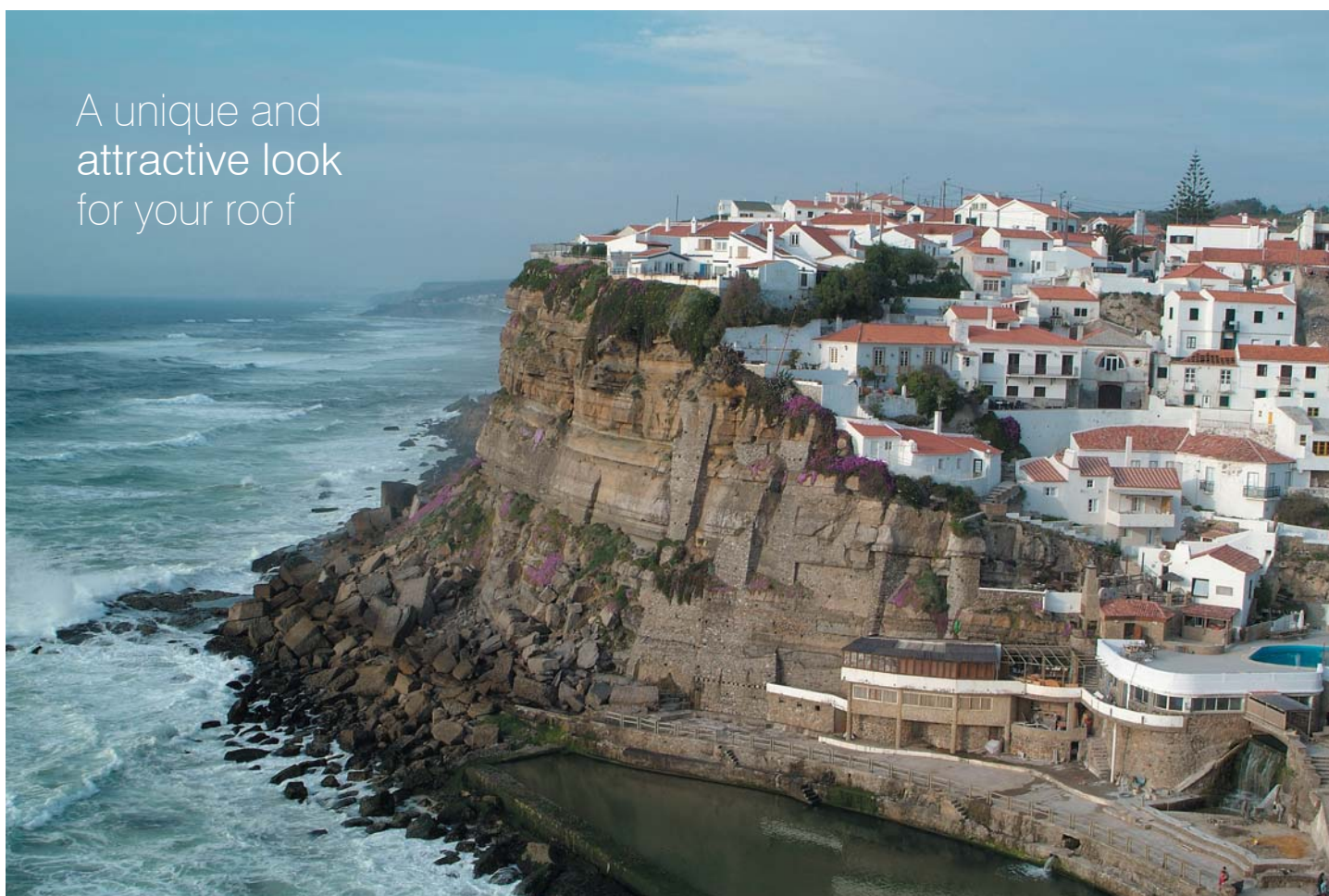
Our products create a unique and attractive look for a roof. Let us share with you the rich beauty and durability of our natural products.



REGISTERED MODEL

National nº 204 | EC nº 000 391 826 - 0001

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