

spanish natural slate



*Galex*

welcome

Our team is comprised of professionals dedicated to producing the finest quality roofing and cladding slate in every possible format thereby satisfying the demands of our customers throughout Europe.

Our philosophy is to achieve and maintain full customer satisfaction at every stage of the relationship, to provide a swift, efficient and professional service. We deliver consistently high quality slate products with excellence in service and installation support with competitive direct pricing for the best value possible in a slate roof.

Spain is the number one slate producing country in the world, with an export volume that exceeds 80% of slate mined and produced. Spanish slate was formed during the early to mid Ordovician period approximately 480 – 510 million years ago, when deposits of argillaceous sediment began the long metamorphic process under extremely high temperature and immense pressure to becoming slate hundreds of meters below the surface of the earth.

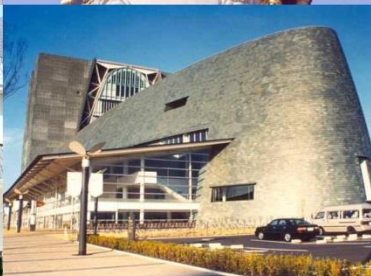
The principal minerals in slate are mica in small, irregular scales, chlorite in flakes, and quartz in lens-shaped grains.







A slate roof... natural beauty with outstanding longevity





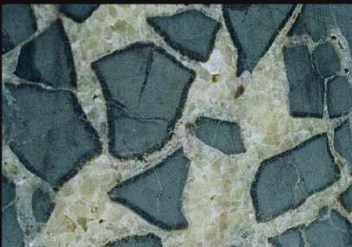
# Galex

## Why choose slate?

A slate roof can be applied to any permanent structure; the intrinsic beauty of slate will enhance homes, schools, commercial and government buildings. The amazing durability and extended lifespan of a slate roof makes it a cost effective option in comparison with other roofing materials.

Here are just some of the advantages of slate:

- Slate is a natural stone worked by craftsmen
- It is fireproof -- completely non-combustible
- It is waterproof
- It is frost resistant
- Slate is environmentally friendly, it is non toxic and is 100% bio degradable
- Slate has a life expectancy of over 100 years
- The investment in slate is permanent
- Lowers net energy costs due to it's natural insulation properties
- Requires little or no maintenance
- Resists climatic change
- Impervious to fungi and mold



Aesthetically, slate enhances the appearance of any home or building and is available in a variety of

- Colors
- Shapes and sizes
- Surface textures
- Thicknesses





## Important facts about slate...

### Insulation

A very little known characteristic of slate is that it has superb insulating properties which are hard to match by any man-made roofing product, this is something which should be taken into consideration in view of the fact that most insulating materials are man made and as such cause pollution, waste and contamination during their manufacturing process and worse still their period of decomposition which in some cases can be over 100 years.

### Environment

The Spanish quarries care about the environment and dedicate sizeable resources to the recovery of the countryside during and after the extraction process; waste slate is used to maintain the country side; grass, bushes and trees are planted and the natural beauty of the surrounding area is gradually restored once again. Vast amounts of water are used to process slate, however quarries are working with closed circuit water systems whereby they are continually filtering and re-using the water and keeping its consumption to a minimum.

### Durability

No other roofing material lasts as long as slate, proof of this is in the great number of chateaus, houses and barns that have their slate roofs in perfect condition after several decades and many after over 100 years on the roof without any apparent wear. England and Ireland have a very active and profitable second hand slate market for slates which are over 150 or more years old, which in itself is enough to prove the longevity of the material.

### Installation

In the laying of any roofing material, quality workmanship is as critical as the selection of the roofing product itself; the more enduring the material the more important this factor becomes. Slate, the most durable roofing material known, should be laid by slate roofers of experience and training as it is an art in itself. We assist by always being ready to answer questions prior to delivery as well as during the installation process.

### Impermeability

The single most important characteristic of any material


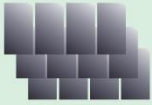












used for roofing. The slate from the Spanish quarries have a very low index of water absorption, less than 0.3%; these are extremely low levels specially when compared to slate from any other part of the world. Having such a low water absorption rate is why this material is so resistant to breakages due to the freezing of absorbed water unlike clay or fibre cement which have far higher water absorption levels; as the temperature drops the freezing water absorbed within the tile expands and cracks the tile, it really is that simple. Our slate is also highly resistant to acids, alkalis, mould and fungi, again due to the extremely low coefficient of water absorption.

### Aesthetics

Slate adds great beauty and enhances the value of any building, it can be worked in so many different ways, cut to almost any size and or shape thus giving countless aesthetic options; compare a welsh barn roof to that of an Alpine chateau with conical peaked turrets, both are covered with slate but what a difference in appearance.



# Formats in mm.

	Length	Width	Average thickness	
 Rectangular	600	300	5 - 7	
	500	300	5 - 7	
	500	250	5 - 7	
	400	250	4 - 5	
	400	200	4 - 5	
	350	250	4 - 5	
	320	220	2,5 - 3,5	
	300	200	2,5 - 3,5	
	270	180	2,5 - 3,5	
	250	150	2,5 - 3,5	
 Round edge	400	200	4 - 5	
	350	200	4 - 5	
	300	200	3 - 5	
 Gothic	500	250	6 - 7	
	400	200	4 - 5	
 Scallop	400	400	6 - 8	
	350	350	5 - 7	
 Octagonal	400	400		
	350	250		
 Schuppen	360	280	4 - 6	
	340	280	4 - 6	
	320	200	4 - 6	
	300	250	4 - 6	
	280	230	4 - 6	
	260	210	4 - 6	
	240	190	4 - 6	
	220	170	4 - 6	
	200	150	4 - 6	
 Half moon	300	300	4 - 6	
	250	250	4 - 6	
	200	200	3 - 6	



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