

Crema Nácar

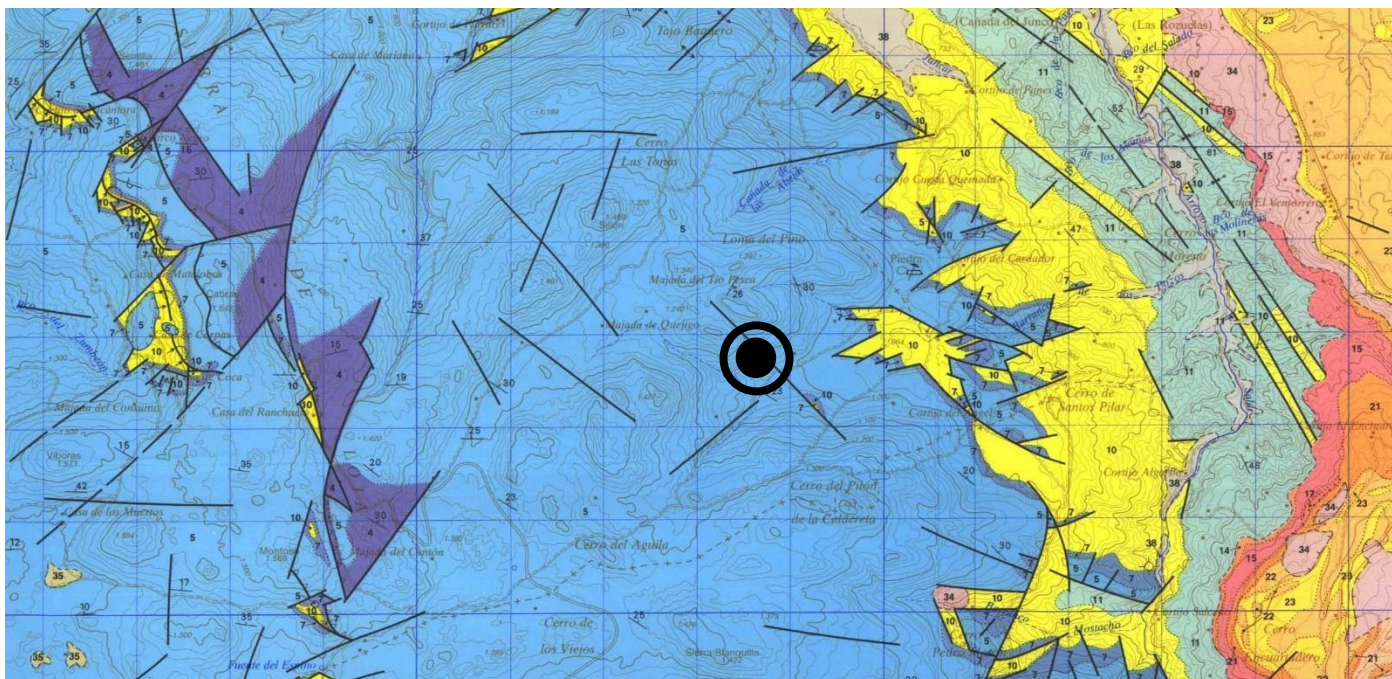


5 cm

Short description: Fine grained limestone with a uniform light color. Micritic marble limestone, with very fine grain and fossil remains. Varieties: Veined, Cloudy and Flowery.

Commodity (vocabulary)	Lithology (vocabulary)	Typical colour (code list)	Place of origin			
			Country	County / District / Province	Municipality / Community	Place/town / Village
limestone	limestone	cream	Spain	Granada	Loja	Loja

Geological setting



Geology: White oolitic and pisolitic limestones, corresponding to white micrites with considerable benthic foraminifera, thick-shelled lamellibranchs, gastropods and laminated algae.

Production: Production from several nearby quarries.

Geological age: Mid-Upper Lias (174.1-201.4 Ma)

Geological unit:

Application, use and heritage



Description: Loja imperial cinema.

Petrography

Description: Rock formed by calcite and a clay matrix which include some clasts. Main minerals: Calcite. Accessory minerals: Clay minerals, quartz, opaques.

Source of information: <http://www.igme.es/>

Physical properties

Apparent density (EN 1936) kg/m ³	Open porosity (EN 1936) % vol	Water absorption at atmospheric pressure (EN 13755) % wt	Uniaxial Compressive strength (EN 1926) MPa	Flexural strength under concentrated load (EN 12372) MPa
2680	0,8	0,3	94,63	10,21

Real density (EN 1936) kg/m ³	Total porosity (EN 1936) % vol	Water absorption coefficient by capillary (EN 1925) (g/m ² x s ^{0,5})	Flexural strength under constant moment (EN 13161) MPa

Frost resistance (EN 12371)				
Technological Test (Test A)				Identification Test (Test B): Number of cycles completed prior to stone failure
Flexural strength (EN 12372) after freeze-thaw cycling, MPa	Number of cycles	Uniaxial compressive strength (EN 1926) after freeze-thaw cycling, MPa	Number of cycles	

Resistance to ageing by thermal shock (EN 14066)			
Change in dynamic modulus of elasticity (increase: +; decrease: -) %	Change in open porosity (increase: +; decrease: -) %	Change in ultrasound pulse velocity (increase: +; decrease: -) %	Change in flexural strength under conc. load (increase: +; decrease: -) %

Abrasion resistance (EN 14157)			Resistance to salt crystallisation (EN 12370)	Breaking load at dowel hole (EN 13364)	
Method A - Wide Wheel Abrasion Test, mm	Method B - Böhme Abrasion Test, cm ³ / 50cm ²	Method C - Amsler Abrasion Test, mm	Change in mass (increase: +; decrease: -), %	Breaking load, N	Thickness of the test specimens, mm

Slip resistance by means of the pendulum tester (EN 14231 / CEN/TS 16165)			Rupture energy (EN 14158), Joule	Thermal Conductivity (EN 1745), W/m·K
Tested surface finish	Slip Resistance Value — SRV			
	Dry test condition	Wet test condition		

Source of information: La Piedra Natural de España. Directorio 2005, 2007. Roc maquina.

Sources of more information

Type of information	Name of provider	URL
This data sheet		
Non-commercial directory	Roca Natural	https://rocanatural.es/marmol/crema-levante
Commercial directory		
Scientific publication		
Other publication		

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