

Rojo Cehegín

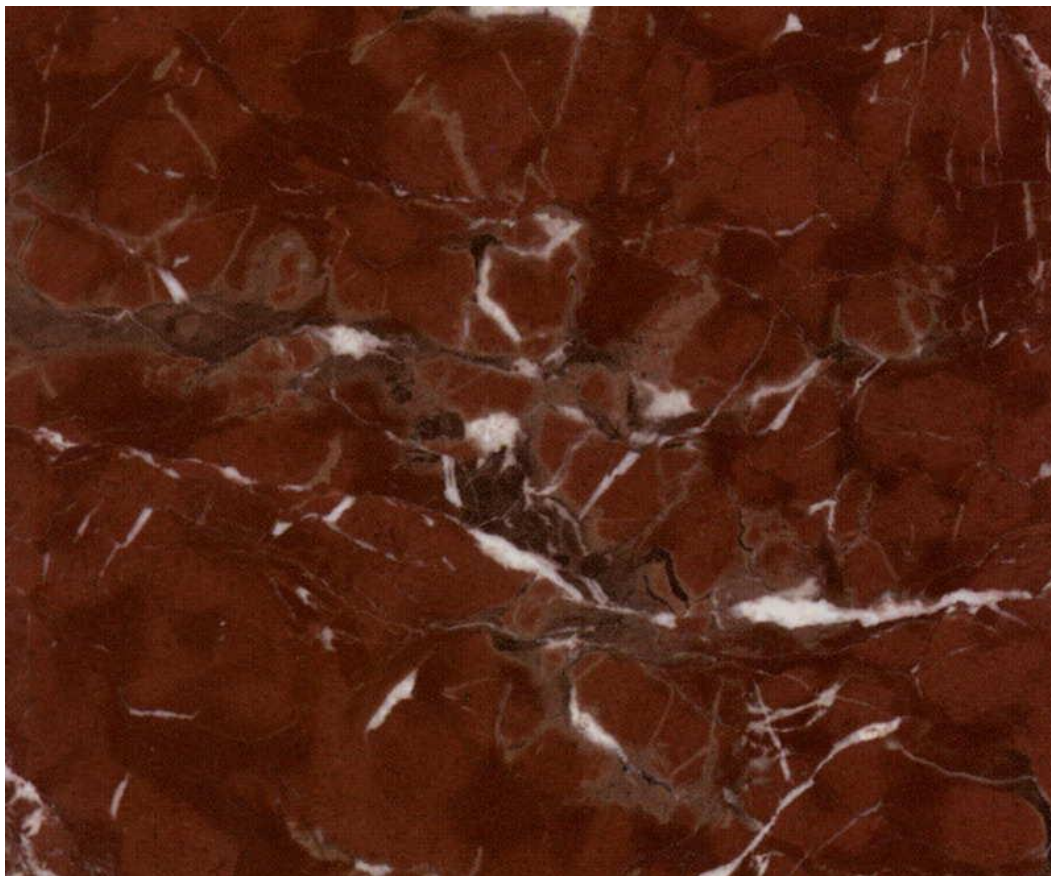


Image source: www.itrisa.com

3 cm

Short description:

Red limestone with frequent discontinuities (white veins and gray fractures/stylolites). At some points, reddish aspect can change the tone into greyish colours.

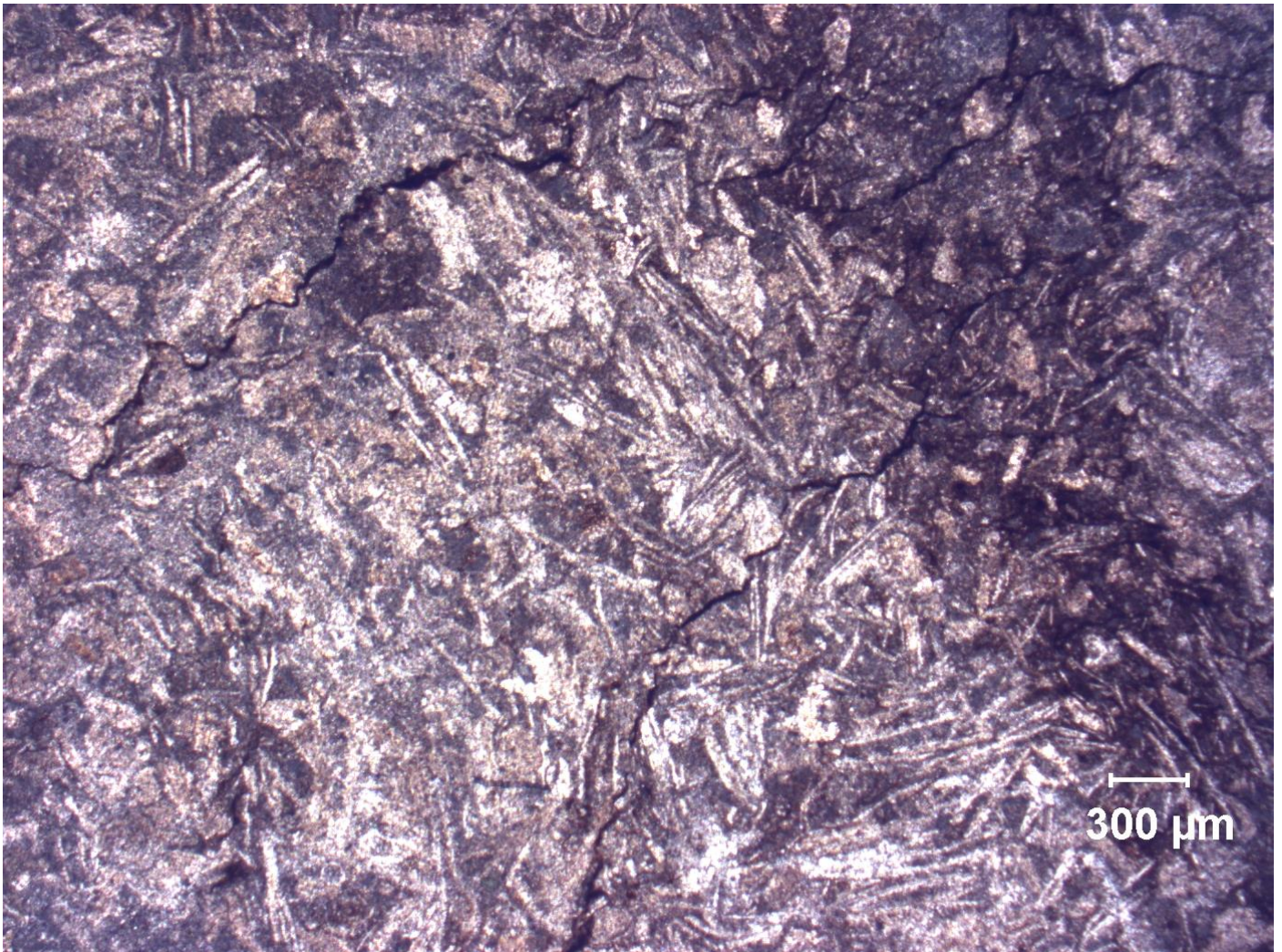
Commodity (vocabulary)	Lithology (vocabulary)	Typical colour (code list)	Place of origin			
			Country	County / District / Province	Municipality / Community	Place/town / Village
Limestone	Brecciated limestone	red	Spain	Murcia	Cehegín	Cehegín

Application, use and heritage

Description:

Rojo Cehegín stone is frequently used in modern buildings, especially as outdoor cladding and paving.

Petrography



Description:

Micrite limestone with abundant clay minerals. Biomicrite facies are also observed in some samples. Fossiliferous content corresponds mainly to pelagic bivalve shells. Blocky sparite calcite cement fullfills the white veins, reaching crystal sizes of up to several millimeters.

Source of information:

Spanish Geological Survey (IGME)

Mineral composition

If no accurate number, use MM=main minerals, SM = Subordinate minerals, AM=accessory minerals

Mineral 1 (%)	Mineral 2 (%)	Mineral 3 (%)	Mineral 4 (%)	Mineral 5 (%)	Mineral 6 (%)	Mineral 7 (%)
Calcite (98%)	Clay minerals (<0.5%)	Hamaetite (<0.1%)	Quartz (<0.5%)	Siderite (AM)	Smectite (AM)	Mica (>0.5%)
Mineral 8 (%)	Mineral n (%)					

Source of information:

Spanish Geological Survey (IGME)

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
2690	1.6	0.3	125.48	9.17

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
		0.8	

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	
		117.02	48	

Source of information:

- 1) Spanish Geological Survey (IGME)
- 2) RocMaquina, Piedras Naturales, maquinaria y equipos. ISSN: 0214-0217.

Sources of more information

Type of information	Name of provider	URL
This data sheet		
Non-commercial directory	Spanish Geological Survey	www.igme.es
Commercial directory	RockMaquina – Piedras naturales, maquinaria y equipos.	
Scientific publication		
Other publication		

Compiled by:	Instituto Geológico y Minero de España (IGME) http://www.igme.es/	 Instituto Geológico y Minero de España
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