

Rojo Espejón

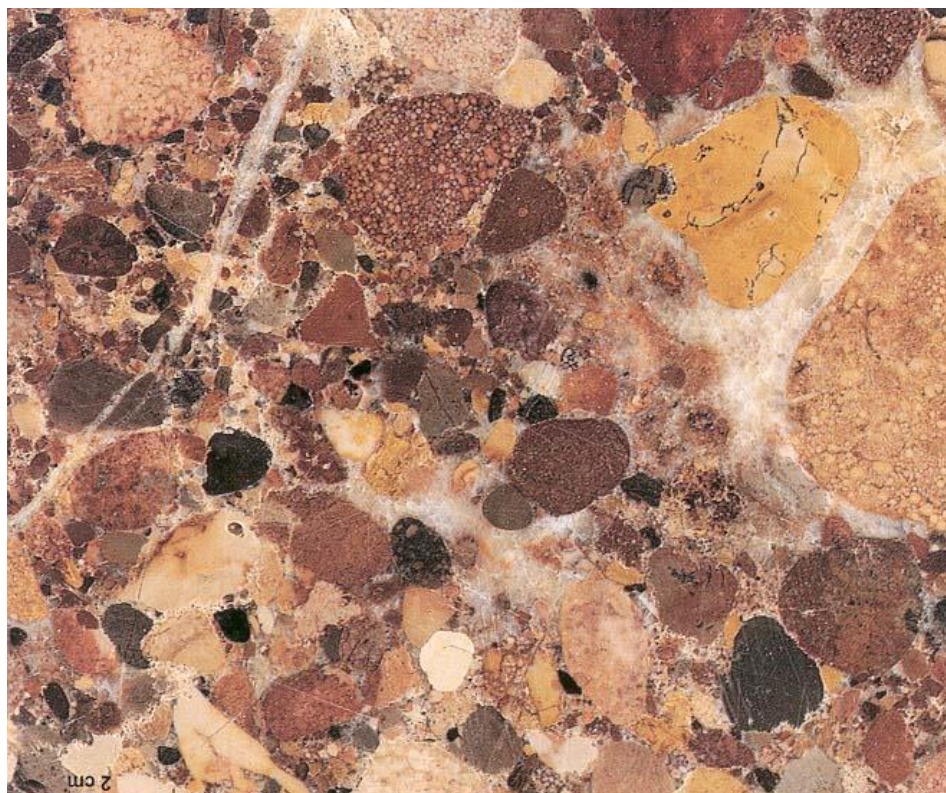


Image source: www.focuspiedra.es

3 cm

Short description:

multicolored conglomerate with red sandy matrix.

Commodity (vocabulary)	Lithology (vocabulary)	Typical colour (code list)	Place of origin			
			Country	County / District / Province	Municipality / Community	Place/town / Village
Marble	Conglomerate	Red	Spain	Soria	Espejón	Espejón

Application, use and heritage

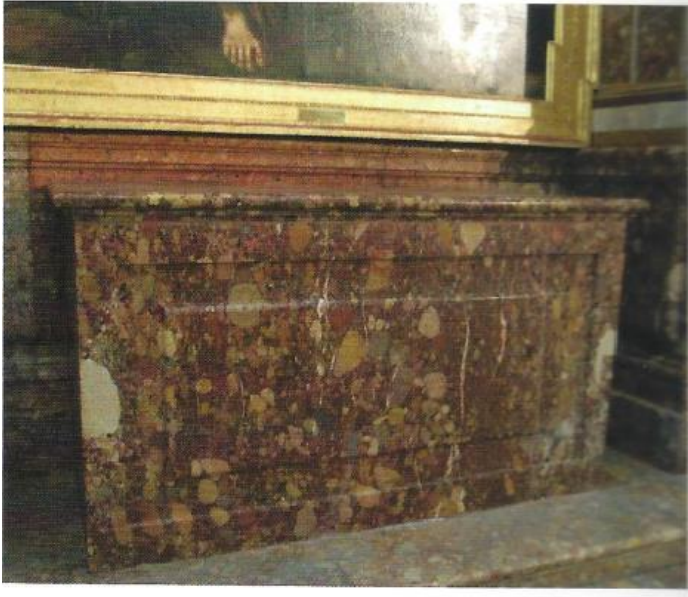


Image source: Garcia-Entero et al. (2018)



Image source: www.peñarandaruta.es

Description:

This rock was widely used during Roman period, Middle Ages and Baroque period through Spain. Hundred of palaces, castles, churches and cathedrals show decorative elements built with this emblematic building stone. However, nowadays, Espejón quarries are inactive and the ancient quarry faces are practically disappeared.

Reference:

Garcia-Entero, V., Gutiérrez García-M., A., Vidal Álvarez, S., Perex Agorreta, M.J., Zarco Martínez, E. (2018): Espejón limestone and conglomerate (Soria, Spain): Archaeometric characterization, quarrying and use in roman times. Proceeding of the eleventh International Conference of ASMOSIA. Pp: 567-

Petrography

Petrographic images in:

Garcia-Entero, V., Gutiérrez García-M., A., Vidal Álvarez, S., Perex Agorreta, M.J., Zarco Martínez, E. (2018): Espejón limestone and conglomerate (Soria, Spain): Archaeometric characterization, quarrying and use in roman times. Proceeding of the eleventh International Conference of ASMOSIA. Pp: 567

Description:

multicolored polymictic conglomerate. Clasts (red, white, cream and yellow) correspond to micritic limestones (mudstones). The matrix content is low and the rock structure is grain-supported. Matrix correspond to micrite with frequent quartz grains. It is possible to observe white macrocrystalline calcite cements at some points.

Source of information:

Garcia-Entero, V., Gutiérrez García-M., A., Vidal Álvarez, S., Perex Agorreta, M.J., Zarco Martínez, E. (2018): Espejón limestone and conglomerate (Soria, Spain): Archaeometric characterization, quarrying and use in roman times. Proceeding of the eleventh International Conference of ASMOSIA. Pp: 567

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 (MM)	Quartz (SM)					
Mineral 8 (%)	Mineral n (%)					

Source of information:

Spanish Geological Survey (IGME)

Garcia-Entero, V., Gutiérrez García-M., A., Vidal Álvarez, S., Perex Agorreta, M.J., Zarco Martínez, E. (2018): Espejón limestone and conglomerate (Soria, Spain): Archaeometric characterization, quarrying and use in roman times. Proceeding of the eleventh International Conference of ASMOSIA. Pp: 567

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		
Scientific publication	Garcia-Entero, V., Gutiérrez García-M., A., Vidal Álvarez, S., Perex Agorreta, M.J., Zarco Martínez, E. (2018): Espejón limestone and conglomerate (Soria, Spain): Archaeometric characterization, quarrying and use in roman times. Proceeding of the eleventh International Conference of ASMOSIA. Pp: 567	
Other publication		

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