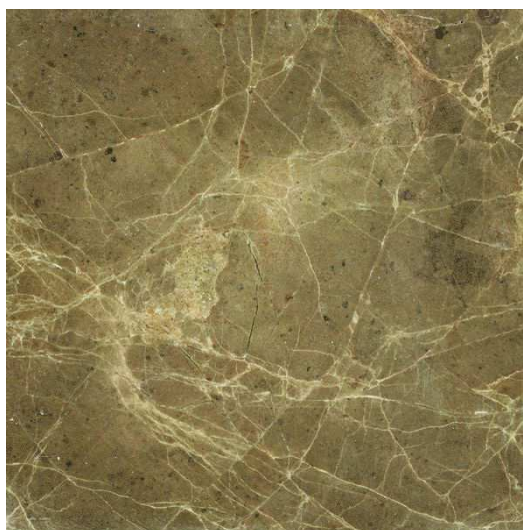


Trade name	CAFÉ EMPERADOR
Category	marble



Properties

TEST	UNIT	REGULATION	VALUES
Flexural strength under concentrated load	MPa	UNE-EN 12.372	8.6
Slip resistance in wet	SRV	UNE-EN 14.231	4
Slip resistance in dry	SRV	UNE-EN 14.231	52
Abrasion resistance	mm	UNE-EN 14.157	19.0
Apparent density	Kg/m ³	UNE-EN 1.936	2,740
Open Porosity	%	UNE-EN 1.936	1.5
Water absorption	%	UNE-EN 13.755	0.6
Frost Resistance	%	UNE-EN 12.371	5.8
Frost Resistance	MPa	UNE-EN 12.371	8.1
Breaking load at dowel hole	N	UNE-EN 13.364	1,750
Thermal shock resistance (change in mass)	%	UNE-EN 14.066	-0.13
Thermal shock resistance	%	UNE-EN 14.066	-17.1
Reaction to fire		UNE-EN 13501-1	A1,A1 _{fl}
Water vapour permeability (μ) dry		UNE-EN 12524	250
Water vapour permeability (μ) wet		UNE-EN 12524	200

Description

Brechoide Dolomite, defined by a calcitic mass most of which displays levels of fracture. Also other calcitic veins exist in varying numbers and serpentine formations. The texture is varied and displays a mass of mesocrystals of dolomite whose degree of idiomorphism is variable. Remaining areas prevail where the euhedral and subeuhedral crystals and anhedral crystals predominate. Some areas feature crystals distributed by zones, which show calcite nuclei. Some anhedral mesocrystals of dolomite can be seen as veins.

Principal component: Dolomite (90 %), minority components calcite (9 %), veins and some dolomite crystal nuclei. Incidental components: Oxides of iron (1 %).

Special Aspect

Café Emperador is a very crystalline dolomitic marble. It is a compact thin grained rock with irregularly placed white veins. Light brown in colour. Café Emperador comes from the Cosentino quarries in Alicante.