

SAINT CROIX



Test		Average Values/Units
Apparent Density EN 1936		2478 kg/m ³
Water Absorption EN 13755		2.6 %
Porosity NF B 10-503		6.2 %
Flexural Strength EN 12371/12372	Dry	7.7 MPa
	After frost and thaw cycles	5.7 MPa
Compressive Strength DIN EN 1926		103 MPa
Breaking load at the dowel point DIN EN 13364		1450 N

General Description:

Quarrying of the blocks with chain saw. Thickness of blocks vary from 120 up to 130 cm. and they present remarkably uniformity in colour.

Geological Description:

Biocalcarene with fossils as Lamellibranch and Gasteropod. Its geological age is Late Cretaceous, Turonian (90 My).

The geological setting is generally sub-horizontal with a layer of a different type of calcarenite below (B5) and at the top other carbonatic materials (B2 and B1). Deposition environment is subtidal facies with carbonatic mud sedimentation and fossils.

Petrographical features: Limestone.

Grain size is about wackestone with sparite cement matrix. It shows also little cavities sometimes filled with CaCO₃ crystals. The texture is mud-supported with fossil of centric dimensions (average 2-3 cm.; rarely up to 7 cm.).