



The Emond Quarry

FONTENOILLE SANDY LIMESTONE ■



Rubble stone (scale 1:1)

Fontenoille sandy limestone

ALSO KNOWN AS	TYPE	STRATIGRAPHICAL AGE
Fontenoille stone, Fontenoille sandstone, Sinemurian calcareous sandstone	Sandy limestone	Sinemurian (Lias, Lower Jurassic, Mesozoic)

LOCAL QUARRY FOR A QUALITY SERVICE

Fontenoille sandy limestone comes from Gaume, in the south of the province of Luxembourg. The compact layers of this stone are slender and even. It has a distinctive warm, golden colour, developing a patina which lightens slightly over time. It is hard-wearing, so it can be cleaved to produce items for flooring and masonry - irregular rubble stones for the type of masonry known as lorraines, as well as rubble stones split to produce evenly arranged courses.

Traditionally cut by cleaving, nowadays it can also be sawn to size to produce pieces for door and window surrounds, for example. It lends itself perfectly to modern constructions that fit into the landscape of the Gaume region, and is also ideal for the renovation and restoration of traditional rural architecture.

WORKING SITE

Carrière des Rassats - 6820 FONTENOILLE

TECHNICAL CHARACTERISTICS*

MINERALOGICAL COMPOSITION

Quartz 32.4%, calcite 65.7%, traces of dolomite and ferruginous minerals

ATTRIBUTES

Apparent density
2454 kg/m³

Open porosity
7.66% vol

PERFORMANCE

Compressive strength
138 N/mm²

Compressive strength after freeze
109 N/mm²

Flexural strength
21 N/mm²

Flexural strength after freeze
18 N/mm²

Abrasion resistance (Capon method)
18.1 mm

MAXIMUM DIMENSIONS OF UNTREATED ELEMENTS

Length
1-2 m

Width
1-2 m

Thickness
1 m

MINIMUM THICKNESS FOR APPLICATION

Floor tiles
4 cm

Vertical elements
5 cm



Rubble stones delivered in a big-bag



Avicth (F), garden, 1997



Ailon, private house, 2000



Sawn (scale 1:1)

APPEARANCE, COLOUR AND PATINA

This sandy limestone is formed by the accumulation of grains of quartz, millimetres in size, cemented together by calcite. The colours vary from pale yellow to greyish yellow and do not alter with time.

The thin, lens-shaped layers are interlaid with strata of yellow sand and a calcareous stone with a high shell content which only serve as rockfill and crushed rocks.

FINISHED PRODUCTS AND STANDARD DIMENSIONS

The hardness of this stone means that it is a good material for floor covering. It produces setts, floor tiles and edging, as well as items of masonry such as rubble stones, dressed and quarry stones, risers, quoins, moulding, surrounds for bay windows, thin covering. Although chiefly used on exteriors, it is also to be found as interior decoration.

Rubble stones

height 6-8 / 8-10 / 8-15 cm, length 20-50 cm, depth 8-10 / 9-11 / 13-17 cm

Thin covering

height 10-14 cm, length 20-50 cm, thickness 2.5 cm

Floor tiles

free length, width 15-35 cm, thickness 5-6 / 8-11 cm

Setts

7-9 x 7-9 cm, 9-11 x 9-11 cm

Non-standard dimensions and advice on application and maintenance, can be obtained directly from the producer.

SURFACE TREATMENTS AVAILABLE

Mainly split, sawn or sanded on request.

DESCRIPTIVE SPECIFICATIONS

«Sandy limestone, beige in colour, stratigraphical age Sinemurian (Lias, Lower Jurassic, Mesozoic)».

[*] Data are the most recent available, measured according to applicable European standards.



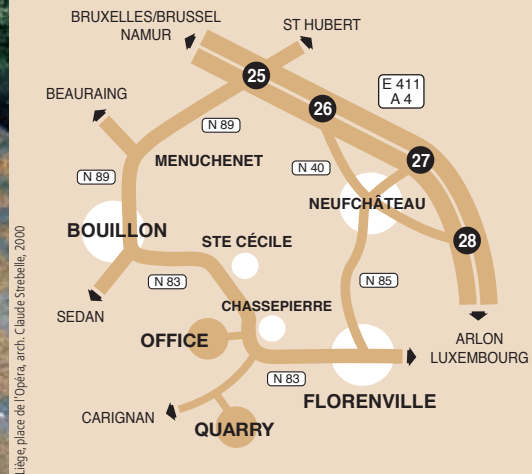
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Liège, place de l'Opéra, arch. Claude Strebelle, 2000



Team of stone splitters



Sainte Cécile, private house, arch. Yves Bouteleu, 1991



PIERRES & MARBRES WALLONIE

