



# The Mouzaive Quarry

SCHISTOSE SANDSTONE ■



Rubble stone (scale 1:1)



## Schistose sandstone

ALSO KNOWN AS	TYPE	STRATIGRAPHICAL AGE
Mouzaïve sandstone	Schistose sandstone	Lower Devonian (Palaeozoic)

### LOCAL QUARRY FOR A QUALITY SERVICE

The CARDEM company, formerly known as the Laurant Brothers, has for several decades extracted stone from an open quarry situated on the banks of the river Semois, not far from Bouillon. Over the years the site has grown, become structured and modernized, and is now a thriving enterprise equipped with advanced machinery and a highly-qualified, dynamic workforce.

The company extracts schistose sandstone that is widely acknowledged to be of very fine quality. Frost-resistant and unaffected by atmospheric pollution, this stone produces very successful results when used in relatively even masonry work and facing. It is equally effective in dry-stone masonry, laid in the natural direction of its bedding plane. Schistose sandstone is the perfect material for redeveloping parks and gardens, lakes, ponds, etc. It can also be used in rustic-style interior decoration, for items such as fireplaces and interior walls, as well as for barbecues, columns, etc.

## WORKING SITE

Carrière de Mouzaive - 5550 MOUZAIVE  
VRESSE-SUR-SEMOIS

## TECHNICAL CHARACTERISTICS\*

### MINERALOGICAL COMPOSITION

Combination of silica, clayey, ferruginous and aluminiferous minerals

### ATTRIBUTES

Apparent density  
**2653 kg/m<sup>3</sup>**

Open porosity  
**3.34 % vol**

### PERFORMANCE

Compressive strength  
**128 N/mm<sup>2</sup>**

Compressive strength after freeze  
**139 N/mm<sup>2</sup>**

Flexural strength  
**23 N/mm<sup>2</sup>**

Flexural strength after freeze  
**17 N/mm<sup>2</sup>**

Abrasion resistance (Capon method)  
**23.6 mm**

## MAXIMUM DIMENSIONS OF BLOCKS

Length  
**0.5-2 m**

Width  
**0.25-1 m**

Thickness  
**0.6 m**

## MINIMUM THICKNESS FOR APPLICATION

Floor tiles  
**3 cm**

Vertical elements  
**5 cm**



Six-Planes, private house



Private house, Lambert



Lafont, hotel "Le moulin Simons"

## APPEARANCE, COLOUR AND PATINA

In deposits of schistose sandstone, layers of sandstone alternate with layers of schist. Finely grained and more clayey than psammities, they are generally characterized by their flaky structure. Their appearance varies according to their particular composition, which may be more compact or more fissile according to each case. The range of colours, often dark, varies considerably. The palette of shades in this quarry is based on brown and rust.

## FINISHED PRODUCTS AND STANDARD DIMENSIONS

In exterior applications, schistose sandstone is cut into flat rubble stones – with quoins, voussoirs and lintels – for traditional facing or dry masonry, but also for setts. They are equally widely used in designs for green spaces, in the form of rubble stones, Japanese steps, dry-walls, banked walls. This stone is also used in original ways as interior decoration.

### Rubble stones

height and length variable, depth 10-15 cm / 15-20 cm

### Floor tiles

thickness 3-7 cm

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



Rochehaut, hotel "Auberge de la ferme"

## SURFACE TREATMENTS AVAILABLE

Mainly untreated or sawn, easy to cut.

## DESCRIPTIVE SPECIFICATIONS

«Schistose sandstone, colour [to specify], stratigraphical age Lower Devonian (Palaeozoic)».

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



## CARDEM S.A.

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### QUARRY

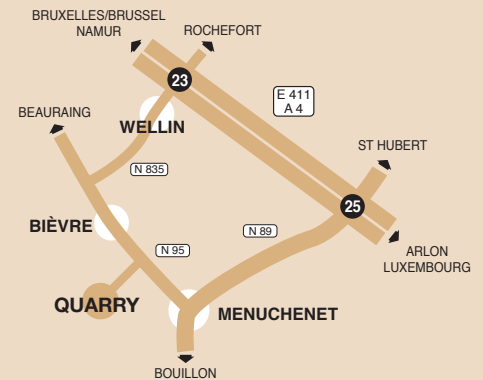
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Rochehaut, wine cellar



Bohan, private house



Rochehaut, châteaux



PIERRES & MARBRES WALLONIE

