



# The Warche Quarries

SCHISTOSE SANDSTONE | SCHIST





La Wardie

Rubble stone: schist

## LOCAL QUARRIES FOR A QUALITY SERVICE

As a family business founded in 1962 by Jean Nelles and his brothers, Nelles Frères s.a. is first and foremost a road construction company, with activities that currently encompass many areas.

Today the company employs about 150 people and has a machine park and fleet of heavy goods vehicles suitably equipped to respond effectively to the needs of building sites in both the private and public sectors. The expertise and dedication of our staff and the use of new technologies guarantee state-of-the-art fulfilment of your projects

Rubble stone: schistose sandstone



## WORKING SITE

Carrières de Vielsalm - 6690 VIELSALM

## TECHNICAL CHARACTERISTICS

**MINERALOGICAL COMPOSITION**  
Combination of dominant clayey minerals, siliceous, ferruginous and aluminiferous minerals

## ATTRIBUTES / PERFORMANCE

These data are available on [www.pierresetmarbres.be](http://www.pierresetmarbres.be) and on the sites of the official bodies, they are measured according to the procedures of European standards in force and regularly updated.

## MAXIMUM DIMENSIONS OF BLOCKS\*

Length **3 m**  
Width **1 m**  
Thickness **0,5 m**

## MINIMUM THICKNESS FOR APPLICATION\*

Flagstones **17 cm**  
Rubble stone **3 cm**

# Schist

ALSO KNOWN AS  
*Schiste de la Salm*

TYPE  
Schist

STRATIGRAPHICAL AGE  
Ordovician (Palaeozoic)

## APPEARANCE, COLOUR AND PATINA

This materials displays a range of shades between grey, dark blue and brown. The uniform colours are totally consistent.

## FINISHED PRODUCTS AND STANDARD DIMENSIONS

The range of available products is comparable to the products proposed for schistose sandstone. Schist can be used outdoors for masonry work and paving. It is perfectly suitable for indoor purposes and interior decoration and also has particularly interesting garden and landscape applications.

Rubble stones

depth 15-25 cm

Slabs for dry-stone walls

height 3-7 cm, 7-10 cm

Floor paving

constant thickness 3-5 cm, polygonal shapes, sizes from 30 to 60 cm (diagonal)

Schist mulch, rock fill and decorative steles

All non-standard products are obtainable on demand.

## SURFACE TREATMENTS AVAILABLE

Natural, sawn, polished or flamed.

## DESCRIPTIVE SPECIFICATIONS

«*Fine, compact schist, colour [to specify], stratigraphical age Ordovician (Palaeozoic)*».



Gand-Halleux, private house, arch. www.francoscolon.be

\* Values shown are for reference only.

## WORKING SITE

Carrières de la Warche - 4960 BÉVERCÉ  
MALMEDY

## TECHNICAL CHARACTERISTICS

### MINERALOGICAL COMPOSITION

Combination of silica, clayey, ferruginous and aluminiferous minerals

### ATTRIBUTES / PERFORMANCE

These data are available on [www.pierresetmarbres.be](http://www.pierresetmarbres.be) and on the sites of the official bodies, they are measured according to the procedures of European standards in force and regularly updated.

### MAXIMUM DIMENSIONS OF BLOCKS\*

Length  
2 m

Width  
1 m

Thickness  
1 m

### MINIMUM THICKNESS FOR APPLICATION\*

Natural flagstones  
3 cm

Marblework flagstones  
2 cm

Rubble stone  
17 cm

# Schistose sandstone

ALSO KNOWN AS  
Warche stone, Nelles stone

TYPE  
Schistose sandstone

STRATIGRAPHICAL AGE  
Ordovician (Palaeozoic)



Hédoumont, private house, arch. [www.luc-nelles.be](http://www.luc-nelles.be)



Wilsam, private garden, gabions



Walmes, Sourbrodt, Garden room



Beaufays, private house, arch. [www.cahsjamagnie.com](http://www.cahsjamagnie.com)

## APPEARANCE, COLOUR AND PATINA

There are several reasons why the use of Warche schistose sandstone brings great advantages:

- > It is rich in quartz, so has good mechanical properties;
- > Its texture; made up of very slender, undulating layers, it displays a remarkable variety of rust-coloured, grey and blue shades resulting from the effects of oxidization;
- > Its structure enables it to be cut into pieces.

It combines perfectly with other fine materials such as wood, blue stones, marble, zinc and copper.

Masonry work with this stone inspires respect for the age-old rules of construction. It lends itself well to the re-interpretation or re-discovery of various techniques and details for façades, such as arches, columns or angles.

## FINISHED PRODUCTS AND STANDARD DIMENSIONS

Schistose sandstone is used for lintels, doorsteps, wall coatings, angles and surrounds for doors and windows, in addition to facing. Dry-stone walls and large embankments built from this material blend perfectly with the surrounding landscape. It can also be used to make street furniture, in the form of tables and benches. Indoor: steps, risers, tiles – flagstones and wall coping, decoration.

### Rubble stone

height and length variable, depth 17-22 cm, one straight side delivered loose or in Big-Bags

### Slabs for dry-stone walls

depth 20-40 cm, thickness 7-10 cm, one straight side, delivered on pallets

Cut additional elements (lintels, door and window surrounds, angles, doorsteps, steps, sills, wall-coatings)

sawn to size, front natural and back sawn, delivered in Big-Bags or on pallets

### Paving slabs

depth variable, thickness 3-7cm, delivered on pallets

### Rockfill gabions

All non-standard products are obtainable on demand.

Marblework products are also cut up and marketed: doorsteps, shower tubs, hand basins, steps, risers, etc.

## SURFACE TREATMENTS AVAILABLE

Sclypé, chiseled, natural, sawn, Honed, polished, brushed or flamed.

## DESCRIPTIVE SPECIFICATIONS

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

\* Values shown are for reference only.

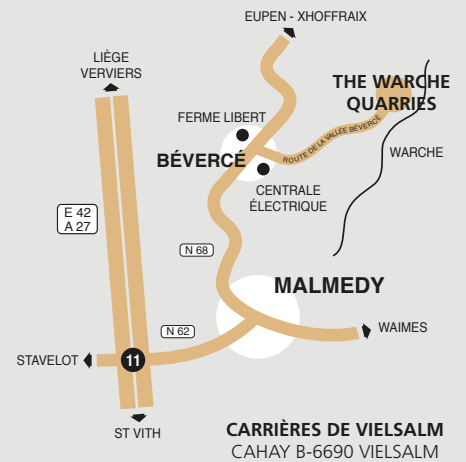


Xhoffraix, private house, arch. www.cahajjajmagine.com



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Stavelot, passive private house, arch. www.ateam.be



Xhoffraix, private house, arch. www.luc-nelles.be



Manhay, Harre, example, www.nelles-freres.com



Waimes, Thirimont, private house, arch. P. Guyot



**PIERRES & MARBRES WALLONIE**

