



The Herbeumont Slate Quarries

SCHIST ■



Rubble stone (scale 1:1)



* Lucarnes, sculptor A.-M. Kleenes, 2000

Schist

VARIETIES	TYPE	STRATIGRAPHICAL AGE
Slate schist or phyllite	Finely grained clayey-siliceous rock	Schist: Lower Devonian (Palaeozoic) Slate schist: Siegenian (Lower Devonian, Palaeozoic)

LOCAL QUARRY FOR A QUALITY SERVICE

The Pierlot family has been quarrying schist since 1830. Until 1977, operations took place in subterranean quarries. In order to obtain the best quality slate, the extraction process was carried out at a depth of 100 metres.

In 1999 a descendant of the Pierlots revived the family business, with activity now taking place in an open quarry. The beds contain a combination of brown and blue stone.

Thanks to recent investments, techniques have been improved in order to increase output.

The range of finishes available enables the company to supply high quality products adapted to suit current tastes.

WORKING SITE

Carrière du Babinay - 6887 HERBEUMONT

TECHNICAL CHARACTERISTICS*

MINERALOGICAL COMPOSITION

Combination of dominant clayey minerals, siliceous, ferruginous and aluminiferous minerals

ATTRIBUTES

Apparent density
2731 kg/m³

Open porosity
1.6 % vol

PERFORMANCE

Compressive strength
190 N/mm²

Compressive strength after freeze
175 N/mm²

Flexural strength
34 N/mm²

Flexural strength after freeze
26 N/mm²

Abrasion resistance (Capon method)
32.8 mm

MAXIMUM DIMENSIONS OF BLOCKS

Length
3 m

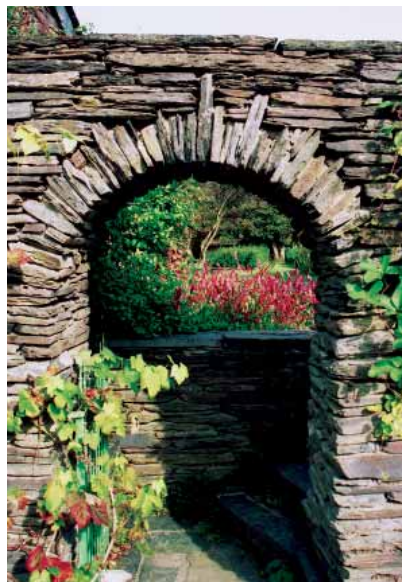
Width
1.5 m

Thickness
1 m

MINIMUM THICKNESS FOR APPLICATION

1 cm

Slate
0.3 cm



Split (scale 1:1)



Honed (scale 1:1)

APPEARANCE, COLOUR AND PATINA

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

FINISHED PRODUCTS AND STANDARD DIMENSIONS

For exterior applications, schist lends itself to items of masonry - rubble stones, quoins, voussoirs, surrounds for bay windows, mantelpieces, doorsteps, steps, wall covering, as well as providing material for flooring. It may equally well be used for interiors, as refurbishment and decoration, for items such as worktops. Schist is used in particularly interesting ways in gardens and landscapes. Slate is used for roofing as well as for covering façades.

The material is used exclusively to specified measurements, but here are the most frequently requested formats :

Rubble stones

length 15-120 cm, height 3-12 cm, depth 10-25 cm

Floor tiles

length 10-250 cm, width 10-60 cm, thickness 1.5-25 cm

Doorsteps

length 60-250 cm, width 10-60 cm, thickness 3-25 cm

Advice on application and maintenance, can be obtained directly from the producer.

SURFACE TREATMENTS AVAILABLE

Untreated, split, sawn, honed.

DESCRIPTIVE SPECIFICATIONS

Schist: «Fine, compact schist, colour [to specify], stratigraphical age Lower Devonian (Palaeozoic)».

Slate schist: «Compact phyllite with fine grains, dark grey in colour, stratigraphical age Siegerian (Lower Devonian, Palaeozoic)».

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

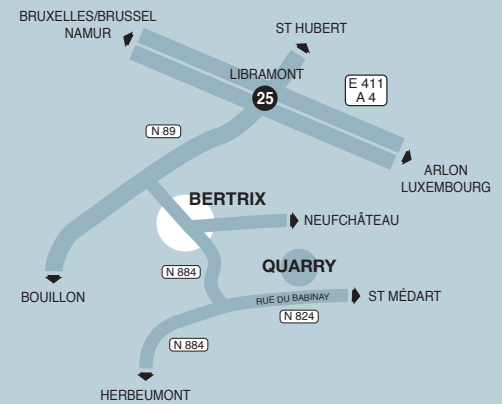
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PIERRES & MARBRES WALLONIE

