



# The Grès d'Arbre Quarries

DINANT BLACK MARBLE | CONDROZ SANDSTONE





## LOCAL QUARRIES FOR A QUALITY SERVICE

For several decades, the GRÈS D'ARBRE company has been extracting the minerals which form an inherent part of our built heritage. Hard sandstone and Salet limestone are ideally suited to the urban and aesthetic requirements currently prevailing in our regions. Arbre sandstone has been used as a building stone since time immemorial. The stones with the hardest veins are extracted from this site. The array of shades is extremely varied, ranging from grey blue to beige with grey, grey-green, red-brown, etc., in between.

Limestone from Salet, in the Molinee region, is a variety of Dinant black marble and is also used in rubble-stone masonry. This stone acquires a beautiful white patina similar to that of Meuse limestone. Shaped limestone of this type is currently being used to restore our built heritage, in both renovation and construction work.



Polished (scale 1:1)

## WORKING SITE

Carrière de Salet - 5537 ANHÉE

## TECHNICAL CHARACTERISTICS

### MINERALOGICAL COMPOSITION

Mainly calcite, traces of sulphur and clay.

### ATTRIBUTES

Apparent density  
**2702 kg/m<sup>3</sup>**

Open porosity  
**0.3 % vol**

### PERFORMANCE

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

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

## MAXIMUM DIMENSIONS OF BLOCKS

Length	Width	Thickness
2 m	1-2 m	0.2-1.5 m

## MINIMUM THICKNESS FOR APPLICATION

**2 cm**

# Dinant black marble

ALSO KNOWN AS	TYPE	STRATIGRAPHICAL AGE
Salet marble	Very finely grained limestone	Lower Visean (Lower Carboniferous, Palaeozoic)

## APPEARANCE, COLOUR AND PATINA

The layers of marble display certain variations in appearance, with light veining which is accentuated to a greater or lesser degree and the possible presence of small white markings. Exposed to the elements, it acquires a very light, almost white patina.

## FINISHED PRODUCTS AND STANDARD DIMENSIONS

The marble is cleaved into blocks for traditional masonry, to form more or less regular courses. It can also be used in the form of floor tiles, as well as taking all the standard applications for marble.

### Dressed stones

length 30-150 cm, width 7-90 cm, thickness 2-45 cm

### Floor tiles

length 15-90 cm, width 15-60 cm, thickness 2-8 cm

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

## SURFACE TREATMENTS AVAILABLE

Apart from the split rubble stones, this material can take the standard finishes for blue stones, such as bush-hammered or marble finishes, the most successful being the dark honed.

## DESCRIPTIVE SPECIFICATIONS

«*Very finely grained limestone, black in colour, stratigraphical age Lower Visean (Lower Carboniferous, Palaeozoic)*».



Roughly dressed yellow rubble-stone masonry



Split (scale 1:1)

## WORKING SITE

Carrière Debras - 5170 ARBRE

## TECHNICAL CHARACTERISTICS\*

### MINERALOGICAL COMPOSITION

Quartz 62-78%, lesser amounts of mica and feldspar

### ATTRIBUTES

Apparent density  
**2621 kg/m<sup>3</sup>**

Open porosity  
**1.64 % vol**

### PERFORMANCE

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

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

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

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

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

## MAXIMUM DIMENSIONS OF BLOCKS

Length  
**2 m**

Width  
**1-2 m**

Thickness  
**0.7-1.5 m**

## MINIMUM THICKNESS FOR APPLICATION

**2 cm**

# Condroz sandstone

### ALSO KNOWN AS

Hard sandstone, Condroz psammite, Meuse sandstone, Famennian sandstone

### TYPE

Clayey sandstone, slightly micaceous and finely grained

### STRATIGRAPHICAL AGE

Upper Famennian (Upper Devonian, Palaeozoic)

## APPEARANCE, COLOUR AND PATINA

The thick layers of sandstone display an extremely varied range of colours, with brighter shades (yellow, green, red, rust-brown) or more muted tones (ranging from grey-green to grey-blue, wine-coloured, ochre and beige). The stone takes on a rust-brown patina when it is rich in iron, whilst if rich in feldspar grey-blue or greenish tones are produced.



## FINISHED PRODUCTS AND STANDARD DIMENSIONS

Thanks to its outstanding mechanical qualities, sandstone lends itself admirably to applications using every type of rubble stones, steps, wall coverings, quoins, surrounds for bay windows, dressed faces, for exterior use as well as for interior and decorative purposes. Its natural anti-skid qualities make it ideal for floor-covering: setts, thin paving tiles, edgings.

### Rubble stones

height 3-7 / 5-10 / 8-16 / 10-20 cm, minimum length 1.5 x the height  
depth 8-12 / 10-15 / 10-20 / 15-20 / 15-25 cm

### Floor tiles

in free form 30-40 cm, thickness 2-4 / 4-7 cm  
rectangular format, free measurement 15-30 x 25-30 cm  
free length, width 15/20/25/30 cm, thickness 4-7 / 2-8 cm

### Mosaic paving

5-7 / 7-9 / 8-10 / 9-11 / 10-12 cm

### Setts

width 12-14 / 14-16 / 15-17 cm, thickness 5-8 / 8-10 / 10-12 / 5-15 cm

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

## SURFACE TREATMENTS AVAILABLE

Cleaved and retouched to a greater or lesser degree, to even out the contours of the pieces for all forms of rough, retouched and squared finish.

## DESCRIPTIVE SPECIFICATIONS

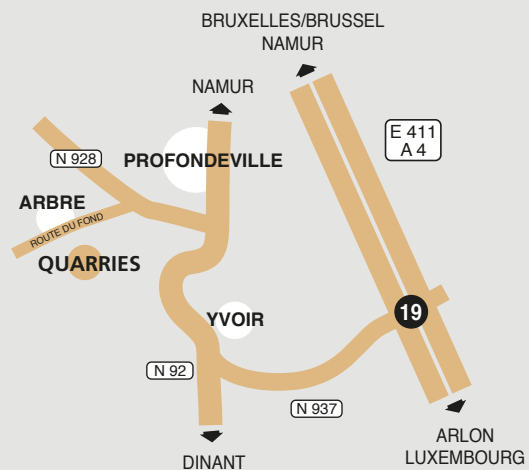
«Clayey sandstone, slightly micaceous, very finely grained, stratigraphical age Upper Famennian (Upper Devonian, Palaeozoic)».

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



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Private house



Sandstone wall



Salet Meuse limestone



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