



La Pietra della Lessinia di
Zivelonghi Luigi Flavio



The pictures in this catalogue refer to projects & designs entirely carried out in our facilities using materials exclusively originated from our quarries. © Zivelonghi Franco 2009. For any further information please e-mail franco@zivelonghi.com

The Lessinia Stone



TYPICAL 18TH CENTURY CHURCH, LOCATED IN ZIVELONGO, SANT'ANNA
D'ALFREDO, ENTIRELY BUILT IN LESSINIA STONE

The Lessinia area is part of the Venetian Alps. The major part of Lessinia is in the province of Verona.

"Pietra della Lessinia" is the trade name of a limestone geologically called "Scaglia Rossa Veneta". It is a sedimentary rock from the Cretaceous period (100-65 millions years ago). In the Lessinia area this consists of calcareous micrites, the colours range from a white gray to pink. This range of colours was caused by the marine environment (the stone is highly fossiliferous with ammonites, bivalves, rarely fish, sharks, turtles etc) and the presence of iron oxide.

The Lessinia stone is well stratified. The layers are divided by thin layers of clay which separate the different sedimentation period.

The deposits of Lessinia stone are about 7,5 meters. There are 72 strata of finely grained calcareous rock of between 3-4 and 30-35cm. Each layer has its own individual chemical and physical characteristics which depends on the different sedimentary period.

The Lessinia stone was first used in the Iron Age to build hill forts.

Lessinia stone was greatly used by the Romans of Verona for the construction of the Arena, Piazza delle Erbe etc. After the Roman period the Lessinia stone was not used outside the area because of transport problems. In the Lessinia area whole villages were built of stone, from the walls to the roofs because of the availability of the product.

Currently, the Lessinia stone is extensively used. The 72 layers are a stonemasons dream. Each layer has its own particular use making the product extremely variable and flexible. Fine floor tiles to beautiful stone sink can be created. Builders use stone for a variety of purposes bringing warmth and delight into houses by using this natural product.

The company: manufacturing

The company Zivelonghi Luigi Flavio was founded in 1974. The factory is located in Lessinia at the Croce dello Schioppo, Sant'Anna d'Alfaedo (Verona).

Lessinia stone has been successful in the domestic and foreign markets. Our aim is to offer high quality products. This has brought us to look for innovative solutions in processing our material.

In this way we can underline the flexibility, the warmth and the harmony which are the typical features of the "Pietra della Lessinia".

Currently, our factory covers a total area of 30.000 sqm (5.000 indoors). This includes our all production lines, the warehouse and the offices.

The manufacturing process of the Lessinia stone takes place in two different workshops. In the first one we make standard products (normally external pavements) through the latest technology of numeric control machines. In the second one we manufacture customized products. Thanks to our longlasting experience, we are successful - specially in this field - in offering products which satisfy several market requests.

We offer efficient transport services should our clients desire.



PRODUCTION LINE FOR EXTERNAL AND INTERNAL FLOORINGS
We can see the machineries for the processing and the squaring of the tiles
In the middle we can see the finished products

The company: quarrying



PARTIAL SIGHT OF THE QUARRY "SAN GIOVANNI LOFFA". WE CAN SEE THE SURFACE OF THE QUARRY WHICH IS BEING EXCAVATED AS WELL AS THE SLABS WHICH HAVE BEEN STORED AND WILL BE TRANSPORTED TO THE FACTORY TO BE PROCESSED.

All the material processed in our factory come from our own quarry, named "San Giovanni Loffa".

Located in Sant'Anna d'Alfaedo, on in the Monte Loffa (985 s.l.), it is situated in the hearth of the quarrying area of the "Pietra della Lessinia" and it is about 8 Km away from our factory.

Quarry covers a total area of about 30.000 sqm; a part has already been excavated and it is currently used as a stockyard.

The quarrying process is carried out through the excavation of a big quarry area as to ensure as much as possible the homogeneity of the material.

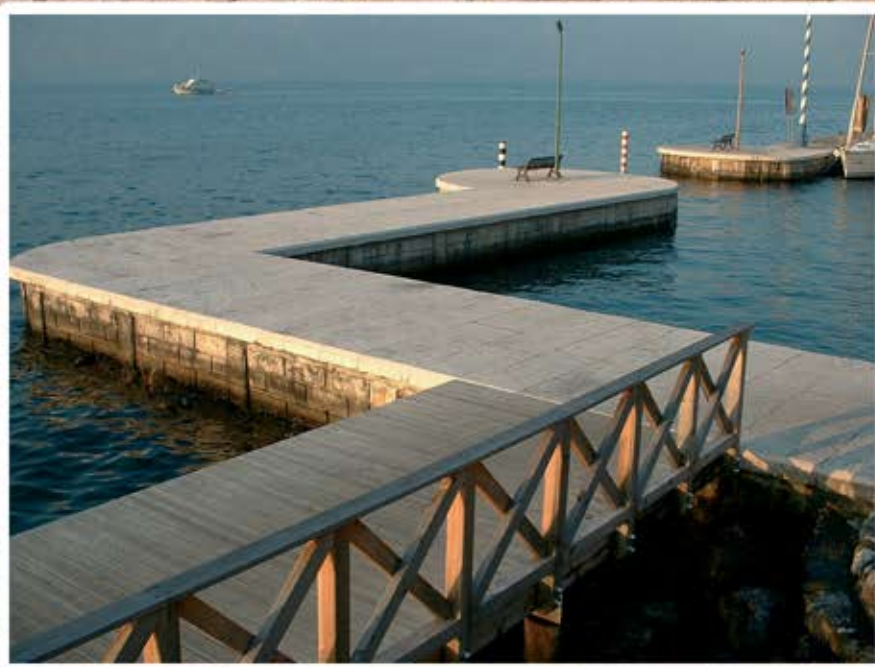
In addition to the extraction of the material which is transported to our factory to be sawed, other particular systems are carried out in the quarry, i.e. the cutting of roof slabs. These have been used for more than 500 years to cover the typical houses in our area.

The mining technique adopted consists of removing overburden to get an open caste quarry. Then we directly cut the stone slabs with a special machine equipped with a diamond cutting disc.

The standard dimensions of our slabs are 210X210 cm.

After vertical cutting, the slabs need to be jostled in order to be separated from the layer of clay underneath through a forklift equipped with a hydraulic hammer. These slabs are characterized by a wrinkly natural quarry split and are ready to be transported to the factory for processing.

Harbour Facilities



PORT OF CASTELLETTO (GARDA LAKE, VERONA)
QUAY IN PINK LESSINIA STONE SCRATCHED ON
QUARRY SPLIT. THICKNESS OF 20 CM



Harbour Facilities



VENICE "LIDO" FLOORING IN NATURAL QUARRY
SPLIT LESSINIA STONE





Harbour Facilities



WALLS AND STAIRS IN VENICE "LIDO"
WHITE LESSINIA STONE SCRATCHED
THICKNESS OF 25 CM









Exterior designs

FLOORING IN PINK SCRATCHED AND ANTIQUED
LESSINIA STONE

POOL EDGES IN PINK SCRATCHED LESSINIA STONE





VILLA IN SAN BONIFACIO, VERONA
HAND-HAMMERED AND HONED ARCHS AND PILLARS,
COVERING AND BANISTERS IN WHITE LESSINIA STONE



Exterior designs

RESTRUCTURATION OF A 18TH CENTURY VILLA
FLOORING IN PINK SCRATCHED LESSINIA STONE
AND PHORPYRY
WALL COVERING IN PINK SCRATCHED LESSINIA





PILLAR AND WALL FACING IN SPLITTED STONES
FLOORING IN PINK BRUSHED LESSINIA STONE
FLOORING EDGES IN PINK SCRATCHED



Exterior designs

PAVEMENT AND FLOWER-BED IN NATURAL QUARRY
SPLITTED LESSINIA STONE





SELF LOAD-BEARING STAIRS IN PINK
BRUSHED LESSINIA STONE
THICKNESS OF 6 CM



Internal designs



FLOORING IN PINK BRUSHED LESSINIA STONE
WIND ROSE 2x2 m IN WHITE AND PINK BRUSHED
AND BUSH-HAMMERED LESSINIA STONE





FIREPLACE IN WHITE POLISHED AND
BUSH-HAMMERED LESSINIA STONE



Internal designs

KITCHEN COUNTER AND TABLE IN WHITE POLISHED
LESSINIA STONE





SHOWER FLOOR IN PINK POLISHED AND
BUSH-HAMMERED LESSINIA STONE SIZE
90x90 H 10 CM



SHOWER FLOOR IN WHITE POLISHED AND BUSH-
HAMMERED LESSINIA STONE SIZE 90x90 H 11 CM



Bathroom designs

ALL THESE PRODUCTS ARE AVAILABLE BOTH IN
WHITE AND PINK STONE

IT IS ANYWAY POSSIBLE TO MANUFACTURE
DIFFERENT SIZES AND DESIGNS ON DEMAND



SINKS IN WHITE AND PINK POLISHED LESSINIA STONE
STANDARD SIZE: 50x40 H15 CM



External floorings

Pink natural quarry split

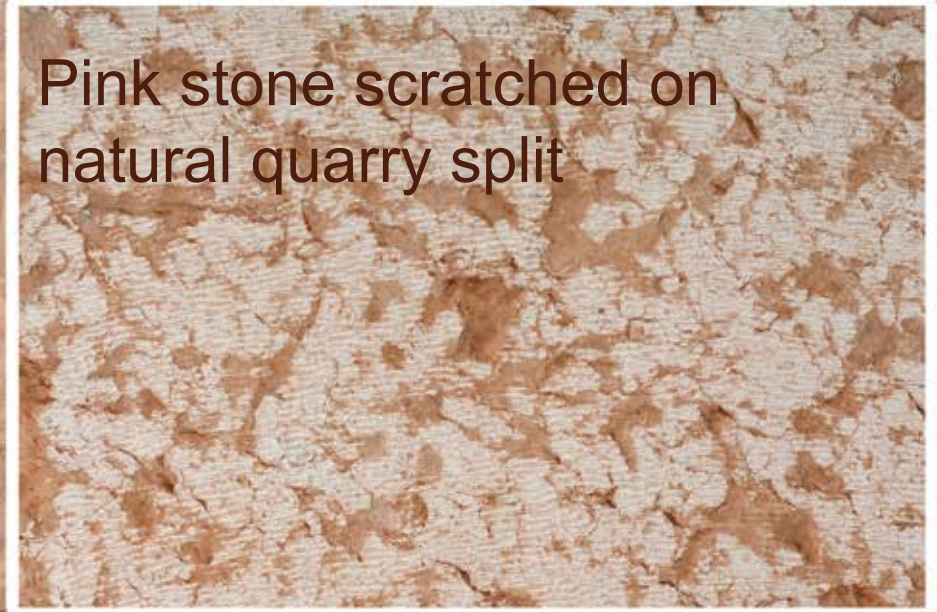


THIS NATURAL QUARRY SPLIT DOES NOT UNDERGO ANY KIND OF PROCESSING. IT IS RECOMMENDED FOR RUSTIC EXTERNAL FLOORINGS AND IT IS OFTEN USED FOR GARDENS AND EXTERNAL PAVEMENTS.

IT IS AVAILABLE IN THE STANDARD DIMENSIONS 50x50 AND 100x50 CM WITH VARIABLE THICKNESS FROM $\frac{3}{4}$ UP TO $\frac{7}{8}$ CM AS TO SATISFY DIFFERENT BUILDING NEEDS.

IT IS ALSO POSSIBLE TO GET IRREGULAR TILES FOR CRAZY PAVING. THESE NATURAL SPLIT SLABS CAN BE CUT AND THESE TILES CAN BE USED AS FACING MATERIAL FOR WALLS AND PILLARS.

Pink stone scratched on natural quarry split



NON-SLIP PROCESSING EFFECTED ON THE NATURAL QUARRY SPLIT.

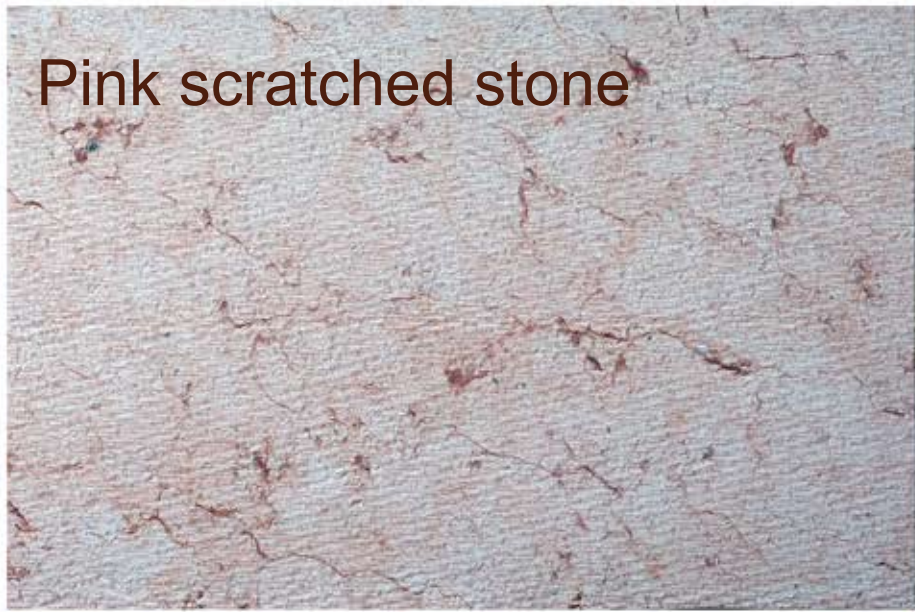
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IT IS AVAILABLE IN THE STANDARD DIMENSIONS 50x50 AND 100x50 CM WITH THICKNESS OF $\frac{4}{5}$ CM.

IT IS POSSIBLE TO HAVE HIGHER THICKNESS ON REQUEST

External floorings

Pink scratched stone



TYPICAL SOLUTION FOR EXTERNAL FLOORINGS, BOTH FOR PEDESTRIANS AREAS AND ROADS.

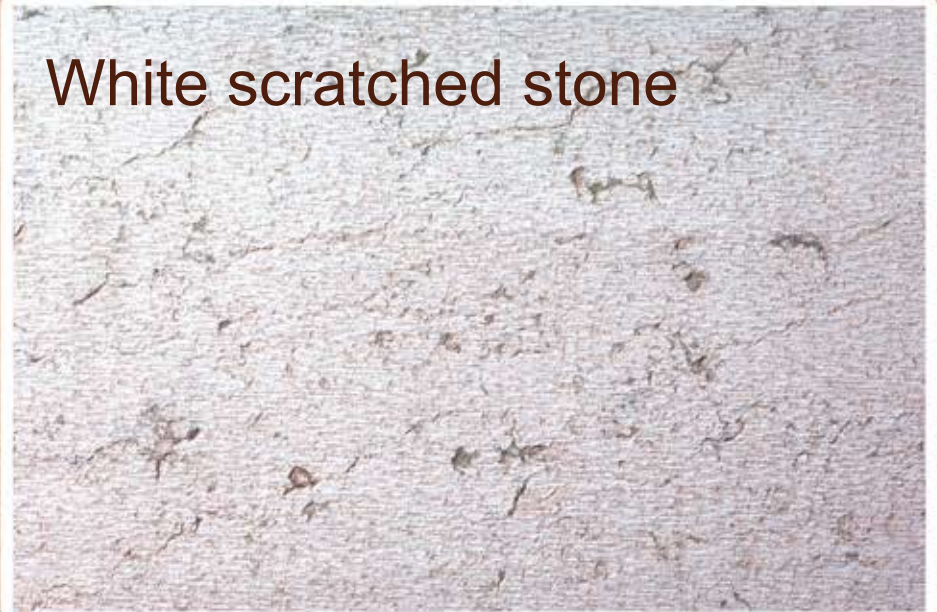
THIS NON-SLIP PROCESSING HIGHLIGHTS COLOURS AND PATTERNS OF THE LESSINIA STONE.

IT IS VERY COMMON TO MIX THIS MATERIAL TO PORPHYRY CUBES OR TO BRICK AS TO CREATE GREAT VISUAL EFFECTS.

IT IS OFTEN USED TO PERSONALIZE STAIRS, COVERS AND OTHER ARCHITECTURAL FEATURES.

IT IS AVAILABLE IN THE STANDARD DIMENSIONS 25x50, 50x50, AND 100x50 CM; IT IS POSSIBLE TO GET CUSTOMIZED SIZES ON REQUEST.

White scratched stone



TYPICAL SOLUTION FOR EXTERNAL FLOORINGS, BOTH FOR PEDESTRIANS AREAS AND ROADS.

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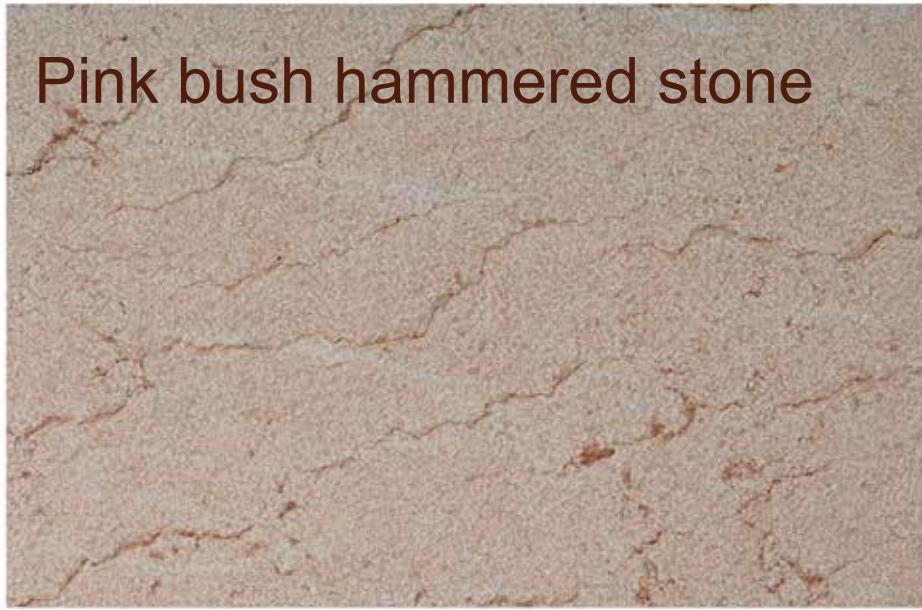
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External floorings

Pink bush hammered stone

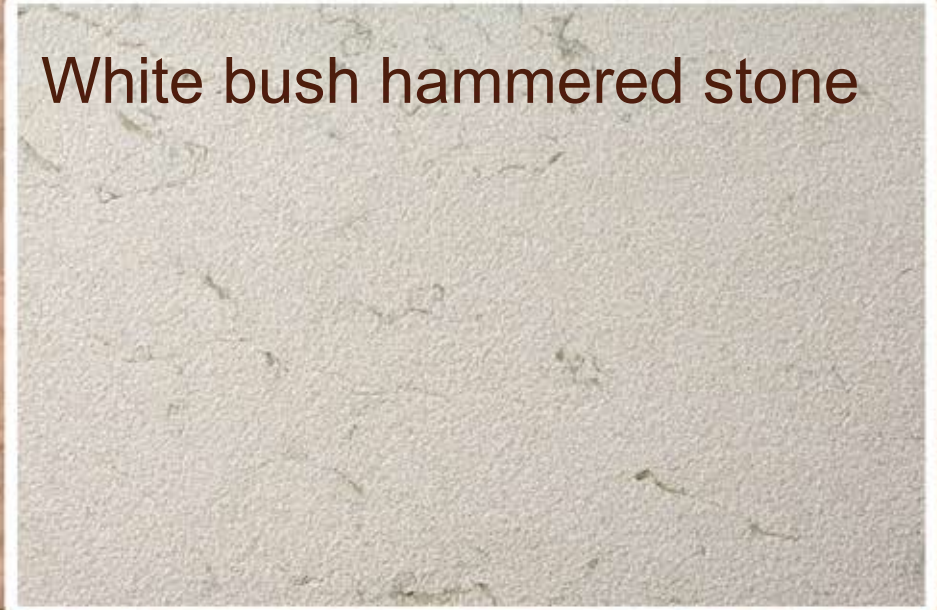


FINISHING OF GREAT VALUE FOR EXTERNAL ENVIRONMENTS; IT GIVES LIGHT AND ELEGANCE TO PAVEMENTS. THIS PROCESSING HIGHLIGHTS THE NATURAL COLOUR OF THE LESSINIA STONE. IT IS VERY INTERESTING TO MIX THIS MATERIAL WITH BUSH-HAMMERED AND ANTIQUED PINK LESSINIA STONE, TO CREATE PAVEMENTS OR FLOORING EDGES.

IT IS OFTEN USED TO PERSONALIZE STAIRS, COVERINGS AND OTHER ARCHITECTURAL FEATURES.

IT IS AVAILABLE IN THE STANDARD DIMENSIONS 50x50 AND 50x100 CM; IT IS POSSIBLE TO GET CUSTOMIZED SIZES ON REQUEST.

White bush hammered stone



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Internal floorings

Pink polished stone

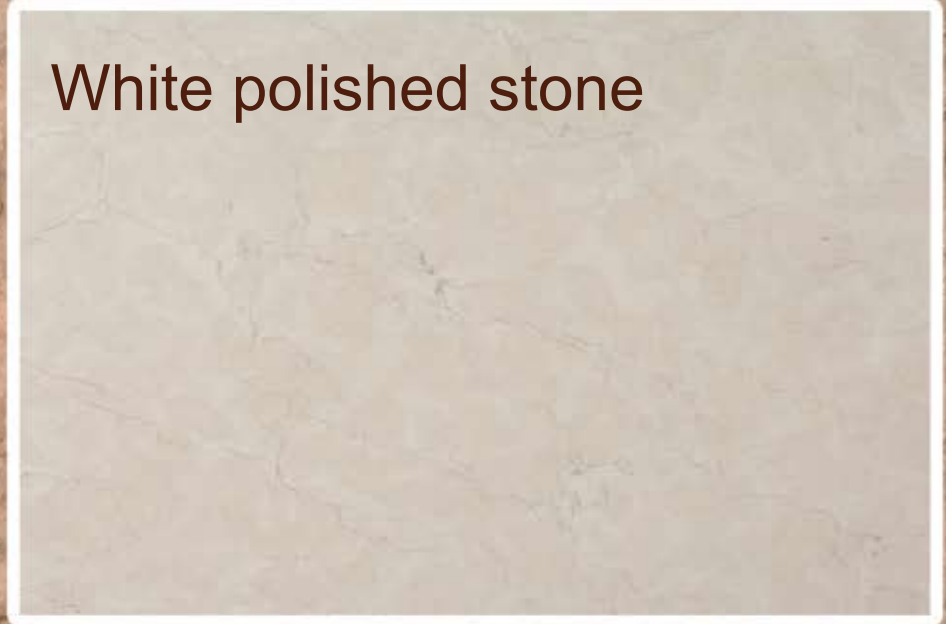


TYPICAL FINISHING FOR INTERNAL FLOORINGS, FOR BOTH CLASSICAL AND MODERN ENVIRONMENTS.

THIS MATERIAL CAN BE USED TO CREATE KITCHENS AND BATHROOM COUNTERS, FIREPLACES, STAIRS AND OTHER ARCHITECTURAL ELEMENTS.

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White polished stone



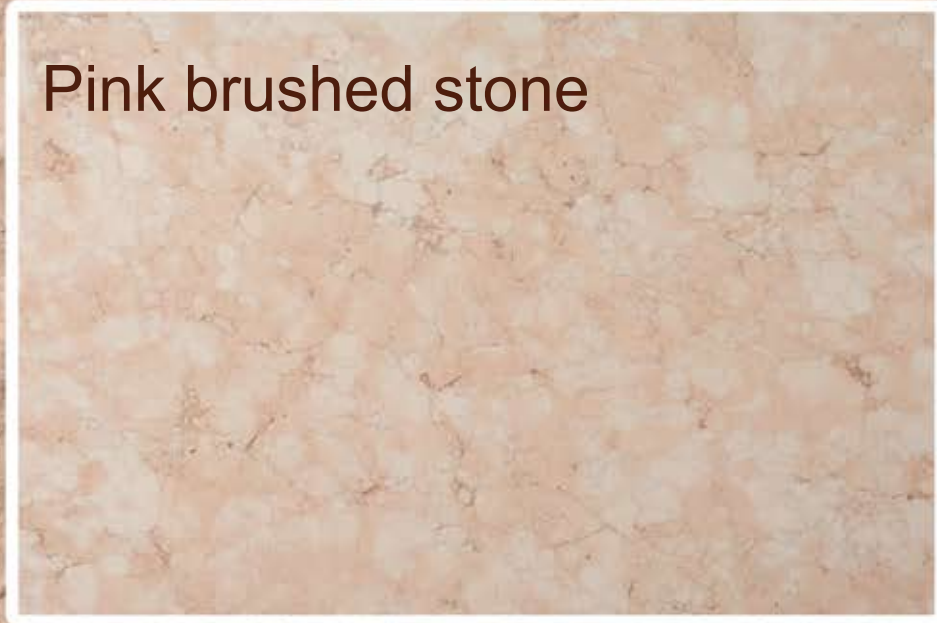
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Internal floorings

Pink brushed stone

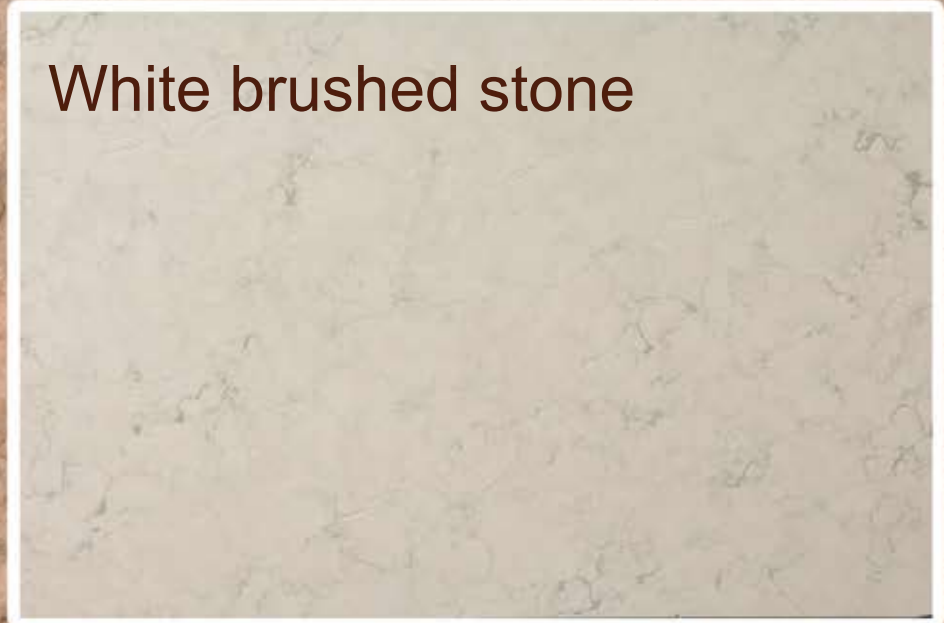


THIS PROCESSING NATURALLY HIGHLIGHTS THE TYPICAL PATTERNS OF THE LESSINIA STONE. IT IS IDEAL FOR INTERNAL FLOORINGS IN MALLS.

IT IS OFTEN USED TO PERSONALIZE STAIRS, COVERINGS AND OTHER ARCHITECTONIC ELEMENTS.

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White brushed stone



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Internal floorings

Pink scratched and antiqued stone

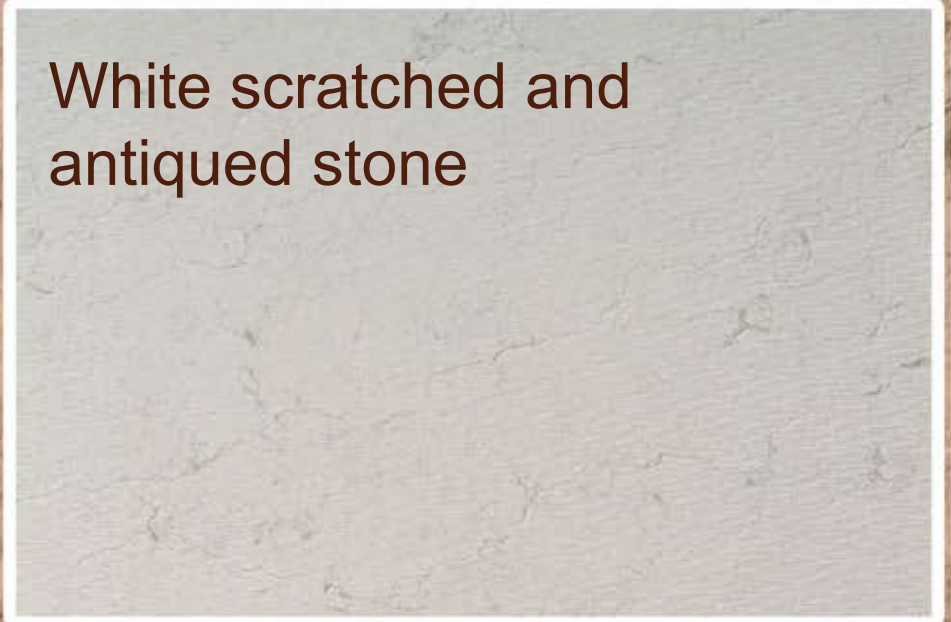


BY APPLYING AN AGEING PROCESS ON A PREVIOUSLY SCRATCHED STONE IT IS POSSIBLE TO OBTAIN A NATURAL MATERIAL WITH VERY STRONG COLOURS.

IT IS OFTEN USED TO PERSONALIZE STAIRS, COVERINGS AND ALSO FOR INTERNAL RUSTIC FLOORINGS, ARCADES, WALL FACING AND INTERNAL WALLS.

IT IS AVAILABLE IN THE STANDARD DIMENSIONS 50x50 AND 50x100 CM; IT IS ALSO POSSIBLE TO GET CUSTOMIZED SIZES ON REQUEST.

White scratched and antiqued stone



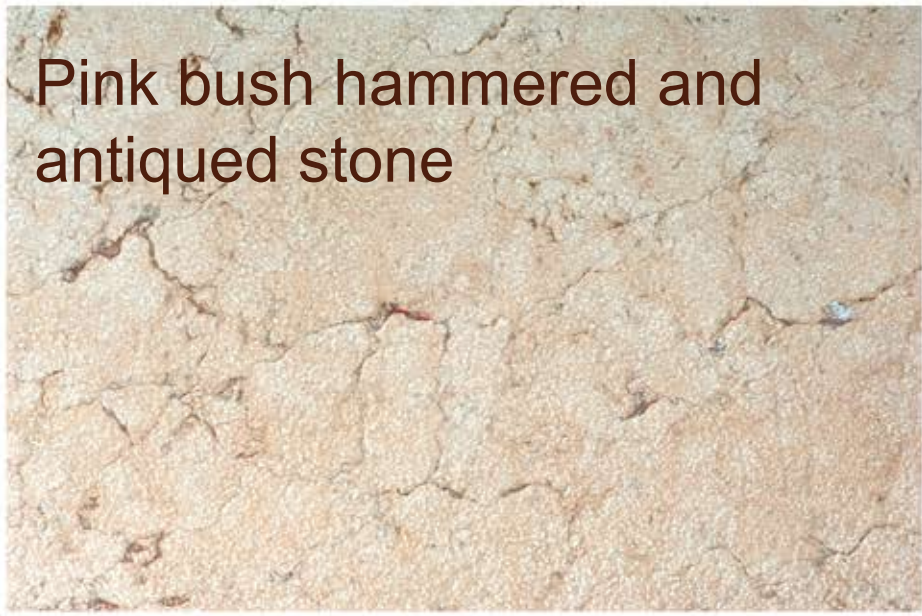
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Internal floorings

Pink bush hammered and antiqued stone

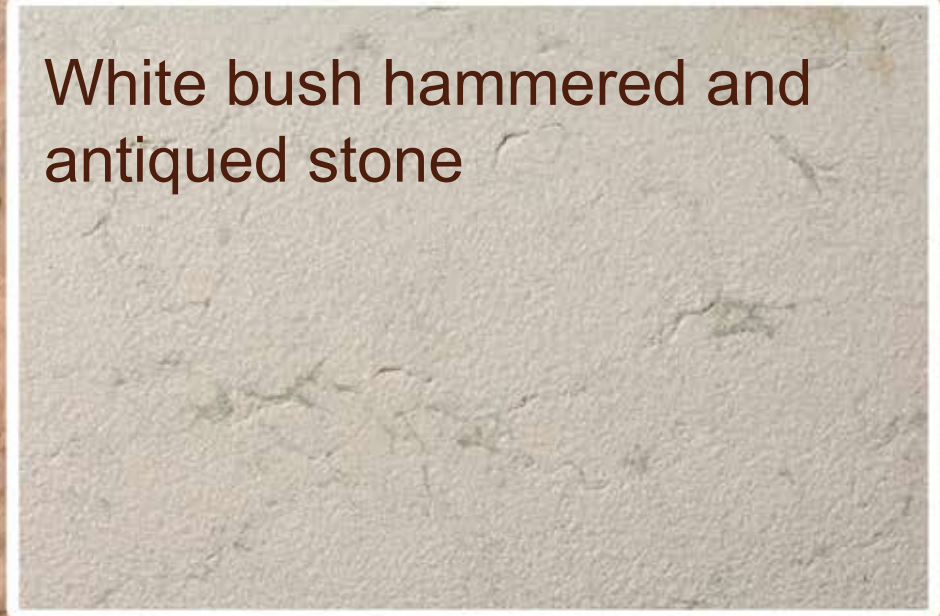


BY APPLYING AN AGEING PROCESS ON A PREVIOUSLY BUSH-HAMMERED STONE IT IS POSSIBLE TO OBTAIN A NATURAL MATERIAL WITH VERY STRONG COLOURS AND CHARACTERISTICAL OPTICAL EFFECTS.

IT IS OFTEN USED FOR INTERNAL FLOORINGS OF GREAT IMPACT AND ALSO TO PERSONALIZE STAIRS, COVERINGS AND OTHER ARCHITECTURAL FEATURES.

IT IS AVAILABLE IN THE STANDARD DIMENSIONS 50x50 AND 50x100 CM; IT IS ALSO POSSIBLE TO GET CUSTOMIZED SIZES ON REQUEST.

White bush hammered and antiqued stone



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Colour and structure of these pictures are merely indicative
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