

FIBONACCI STONE

Product Information

Should the content of this handbook not be exhaustive, please do not hesitate to contact us. Procedures & recommendations are a summary of good installation and finishing practices. Specific building codes, standards or special procedures are to be referred to prior installation. Failure to install and finish Fibonacci Stone tiles in accordance with building code requirements and good installation and finishing practices may affect system performance and void product warranty.

This handbook is subject to change without notice – always refer to latest edition. MARCH 2009

www.fibonaccistone.com.au

Product Overview

Fibonacci Stone is a thin monolayer tile of composite stone. It is manufactured using the specialized technique of “compaction by vibration under vacuum” of compounds formed by natural stone materials bonded with inorganic binders. Natural stone materials constitute more than 72% of the finished product.

Completely free from any organic additive and 100% recyclable Fibonacci Stone is a **GREEN PRODUCT**

The thermal properties of Fibonacci Stone greatly contribute to environmentally sustainable architecture and building design.

Not just improving building comfort, Fibonacci Stone can significantly assist in reducing energy use in active heating and cooling systems.

Fibonacci Stone is manufactured to strict specifications in one of the latest and most advanced Breton manufacturing plants in the world. The plant and its management is committed to the environmental management principles of ISO 14001

The aesthetic appearances of Fibonacci Stone tiles vary according to the nature, colour and grading of the aggregates as well as the colour of the bonding paste. The designer's creative imagination is the only restriction to the beauty of Fibonacci Stone tiles. The versatile nature of Fibonacci Stone tiles makes it possible to produce innumerable types of tiles, which are aesthetically different by colour, dimension and type of aggregate, surface finish and design.

The surface finish can be changed depending on the user's request in order to supply polished, honed and sandblasted tiles. The aesthetic and technical characteristics of Fibonacci Stone tiles are enduring and constant qualities over time. Fibonacci Stone tiles are an ideal solution for any application requirement in building and decorating.

Fibonacci Stone uses variety of stone materials (marble, riverstone, quartz etc.) of different sizes, obtained directly from natural deposits. The size of aggregates ranges between 1mm and 6mm.

Fibonacci Stone is formed using a paste of Portland cement (inorganic binder) Type 1, and water utilized in a water/cement ratio lower than .32. The binding particles are coloured by adding inorganic pigments in powder form. Ensuring a consistent paste, additional additives normally used in cement mixtures are added to the bonding paste.

Fibonacci Stone tiles are perfectly homogenous and possess outstanding physical-mechanical and chemical properties in their entire mass.

- Resistance to deep abrasion/High durability
- Dimensional Stability
- High Thermal properties
- Low water absorption
- Resistance to flexibility and shock
- Resistance to freeze/thaw
- Resistance to UV
- Colour stability
- Non-Flammable
- High Slip-Resistance
- Limited Product Warranty