



# Thua Thien Hue Stone Mining Jsc.

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## **BLACK GRANITE STONE**

Product display store: 352 Bui Thi Xuan, Duc Ward, Hue, Vietnam.

Production facility: Que Chu village, Loc Dien Commune, Phu Loc, Thua Thien Hue, Vietnam.





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# About the Company – Phu Loc Black Stone Quarry



Thua Thien Hue Stone Mining Jsc., formerly known as Thua Thien Hue Stone Mining Company, was established in 1986 with the main activity of extracting stones and building materials at natural stone quarries in the province. Hue. 1998 marked an important milestone when the company transformed its business form into a joint stock company with the aim of increasing capital mobilization to expand the scope of stone products trading.

With nearly 40 years of experience in the field of stone mining and trading, as well as a team of qualified staff and a stable source of raw materials, Thua Thien Hue Stone Mining Jsc. has gradually developed, created a foothold, reputation in the domestic market and reaching out to the international market.

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Loc Dien - Phu Loc quarry is an open-pit quarry with large reserves of high quality stone for extraction and production of polished granite, rough sawn stone, sanded stone, block stone, carving products, .. The machinery and equipment are synchronously and modernly invested , with large capacity to meet the requirements of long-term and stable mining.

Mining capacity: 6,000m<sup>3</sup>/year – Equivalent: 200,000m<sup>2</sup> of finished stone.

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## Vision

Thua Thien Hue Stone Mining Jsc. aims for sustainable development to become a leading manufacturing and trading company in Vietnam with its main products being the famous Hue Black Granite of excellent quality.

As an exclusive supplier of Hue Black Granite products, which have been certified for the brand and brought Hue black stone to cover provinces in Vietnam and countries around the world.

## Mission

Thua Thien Hue Stone Mining Jsc. always wishes to bring high quality Hue stone products to domestic and foreign customers, promoting trade between Vietnam and countries in the region and the world.



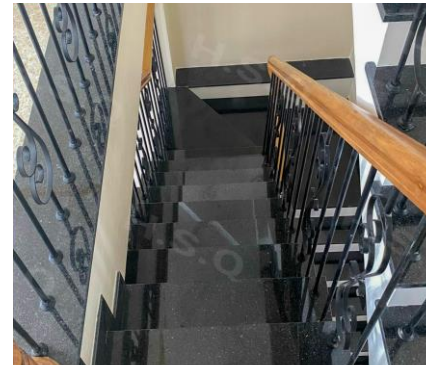
# Hue Granite Stone Overview

Hue Black Stone is formed from volcanic eruptions, after millions of years of accumulation and formation, Hue Black Stone belongs to the Gabro stone line, so it has a hardness that is superior to other types of Granite on the market. According to the Mohs stone scale. Hue Black Grante is at 6/7 because the quartz content is higher than other stones such as: Binh Dinh stone, Thanh Hoa stone, which only has a hardness of level 3.

Hue Black Stone is one of the famous stone samples in our country and has been exported to many countries around the world. The characteristics of this stone are impressive black color plus small to large white grains, combined with natural improvised veins. The Stone is sold at a cheaper price than imported stones, that's why you should invest in it if you don't want to waste its beauty.

Hue black stone is classified as granite products with attractive beauty and mysterious black color. Today's modern design can enhance and optimize its beauty. The dominant black color combined with stone veins with small ivory white dots creates a relatively eye-catching image; The longer you use it, the more shiny it gets. Meanwhile, the high-gloss surface makes the space more impressive.

There are many different types of black stone on the market. Our company is the exclusive unit mining, producing and distributing Hue Black Granite with a



## Polished Stone

For stairs, kitchen tables, stairs, lavabo, bathrooms, wall tiles, gate posts ...



## Freestone

For tables and chairs, flower pots, vases with monolithic stone; block stone products according to customer needs



## Decorative Stone

For sidewalks such as curb stone, rough stone, rough stone; guide passage; Garden stones of various sizes and designs



## Carved Stone

Turned and carved products according to customer's request.



QUY TRÌNH - CÔNG NGHỆ  
SẢN XUẤT ĐÁ GRANITE  
ĐEN HUẾ

# Production Process

The closed process starts from the mining stage with diamond wire cutter, then stone slabs are transported to the sawing machine with a modern, highly uniform beam cutter. Hence the uniformity between the slabs is consistent. Then, the stones are classified depending on the number of rattan veins on the stone plate and put into automatic grinding machines imported from abroad. Some stone slabs which do not meet standards such as size, color .. according to polishing requirements are then put into the CNC machine to be cut into smaller products of various sizes to serve customers.

**Hue Black Granite is produced through 3 basic stages:**

## Stage 1



Cutting and sawing block stone to create a standard size stone block

## Stage 2



Processed through a set of cutting machines with many modern saw blades imported from abroad.

## Stage 3



Polished with a set of imported automatic grinding machines including 24 grinding heads, which create high-quality polishing products





## **The difference makes the brand**

Our company produces and supplies exclusively to the natural Granite products market and has registered trademarks and logos. Therefore, you can be assured of the durable quality and high aesthetic beauty.

# **Polished Hue Black Granite**

Hue black stone has only 1 type, which is natural Granite and no artificial black stone. Based on the veins & the large and small spots not evenly distributed on the surface to determine the type of stone, but the quality is not different. Hue Black Granite, also known as Hue Black in the international market, is exported to many countries around the world, much more beautiful than some famous black stone samples imported from India.



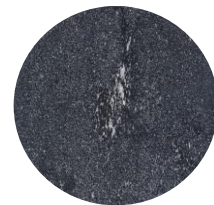
### **REGULAR VEINED STONE**

There is uniformity in color, small white particles evenly distributed on the stone slab. Therefore, this type of stone is often preferred by customers to construct lobbies, large facades, used as kitchen countertops, stairs with high gloss, making the project outstanding with black and beautiful tiles. It can help the space become ancient but still retain modern features.



### **SMALL VEINED STONE**

The quality is no different from the rest and is comparable to other stones in the same segment on the market such as rhododendron and Indian stone, but the quality is superior. When this type of stone is used to make stairs, kitchen tables, steps, etc., if you are not a person in the profession, it is difficult to distinguish between regular and small veined stones. Therefore, it is very popular for construction because of its reasonable price and superior color than other stones on the market.



### **LARGE VEINED STONE**

This is often compared to good woods, perennial old wood which often has spots, nuances, and heterogeneous colors, so its value is high and rare. Hue stone, due to volcanic eruption and over millions of years accumulation. creates Hue black granite products. Therefore, natural spotting is inevitable; but that's the real natural stone and a lot of people like that beauty at an affordable price, thus suitable for most customers.

# Polished Hue Black Granite Products Samples

## Physical Attributes

Volumetric weight: 3.08 g/cm<sup>3</sup>  
Water absorption: 0.04%  
Destructive tonnage: 5728.4 N



## Reliability

Deep abrasion resistance: 153 mm<sup>3</sup>  
Hardness on Mohs scale: Grade 7  
Surface gloss: 100%

## Common Sizes

800mm ≤ length ≤ 3.000mm  
500mm ≤ width ≤ 700mm  
20mm ≤ thickness ≤ 50mm



## Maximum Sizes

Length ≤ 3.500mm  
Width ≤ 1.200mm  
Thickness ≤ 1.100mm



# Polished Hue Black Granite Construction Projects



## Materials

Flamed Granite & Black Granite



## Categories

stairs, facades, paving walkways, sidewalks...



## Area

>2000m<sup>2</sup>



**Thua Thien Hue Provincial Public Administration Service Center**

# Polished Hue Black Granite Construction Projects



## Materials

Black Granite



## Categories

facades, stairs, flower beds...



## Area

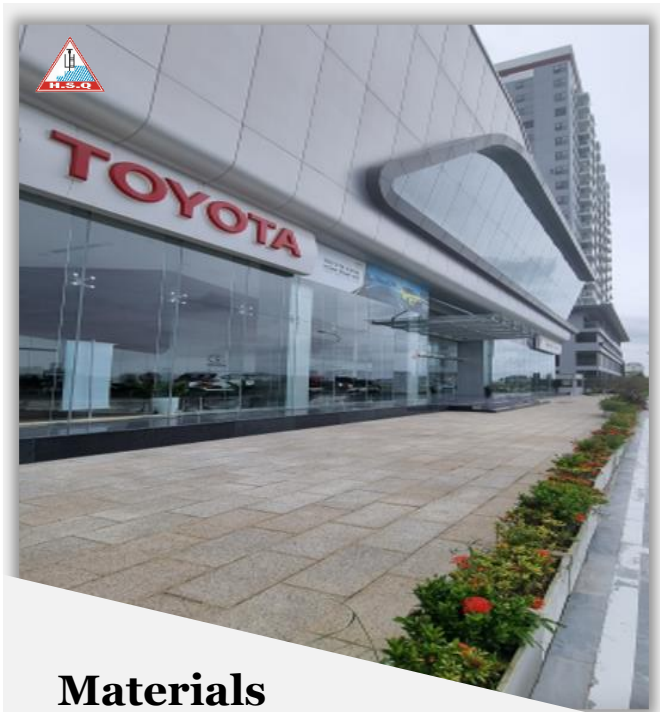
>5000m<sup>2</sup>



Phu My An urban area - Hue



# Polished Hue Black Granite Construction Projects



## Materials

Black Granite



## Categories

Facade, doorsteps, elevator,...



## Area

>2000m<sup>2</sup>



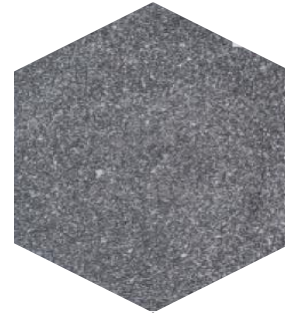
TOYOTO Showroom - Hue

# Coarse Black Granite & Flamed Granite

One of the stone lines that customers and builders are very interested in. Due to the outstanding characteristics of hardness, durability over time, anti-slippery, mossy mold, highly-accurate CNC programming, many customers choose Hue black Granite for the construction of their garden lining, pathways.



**Coarse Black Granite**



**Flamed Granite**

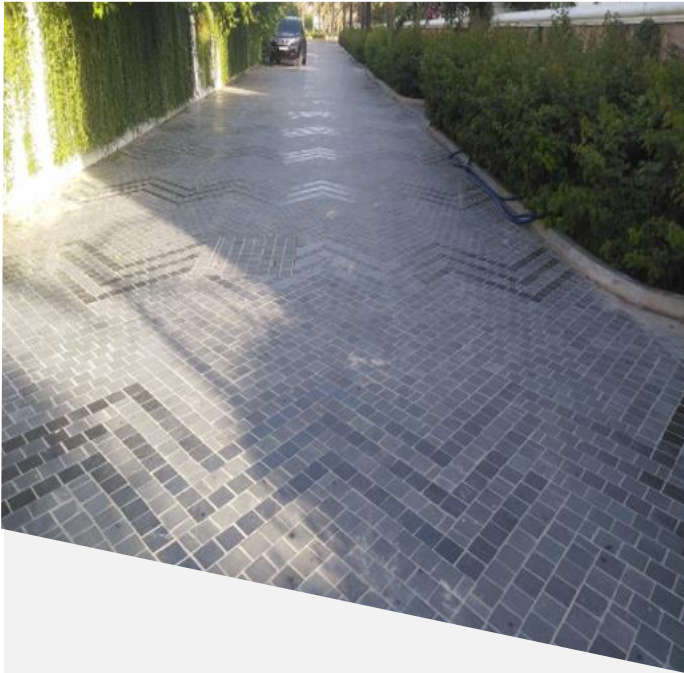


Along with that, the company also provides curbstone, tree trunks rounding stone, walkways according to the design for the construction of works to decorate sidewalks, streets, with competitive prices, diverse sizes and designs.

Common sizes: 400x800x20, 300x600x20, 300x300x20, 150x300x20, .. In addition to the above sizes, depending on quantity and specifications, our company will advise and meet the requirements of customers.



# Coarse Black Granite & Flamed Granite Construction Projects



## Cam Ranh Bay Hotel - Resorts

Materials: Coarse & Black Stone  
Categories: courtyard space,  
fountains...



## Quang Minh Temple

Materials: Coarse & Stone  
Categories: paving, steps...



## Walking Path along Huong River

Materials: Coarse & Black Stone  
Categories: stairs, pavement...

# Carved Products

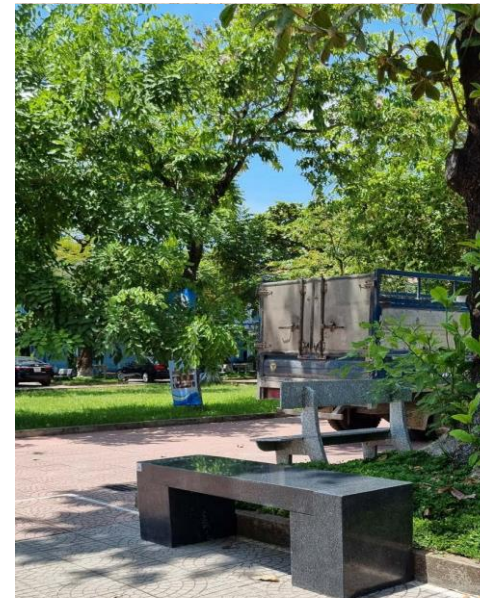
## Tables and Chairs from Freestone

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Carved stones are considered as one of the main products. Our company invests in a programming machine imported from abroad, so the accuracy is almost absolute and offers a variety of products such as tables and chairs, vases, flower pots, turners, orchids. can...

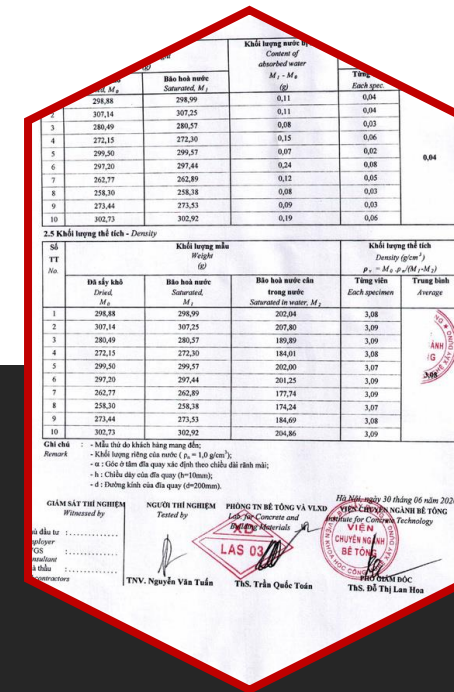
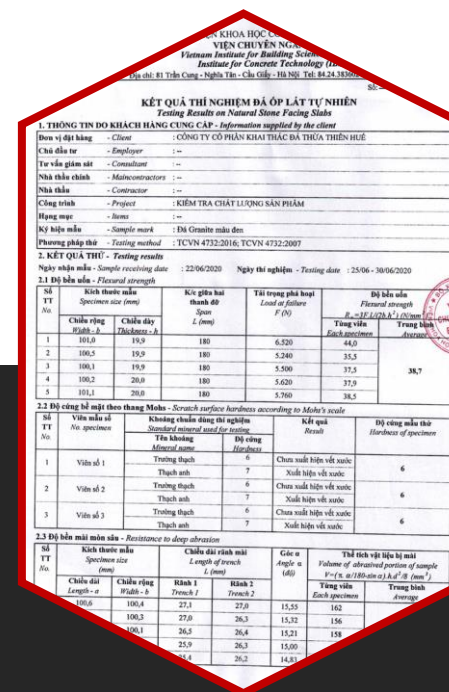
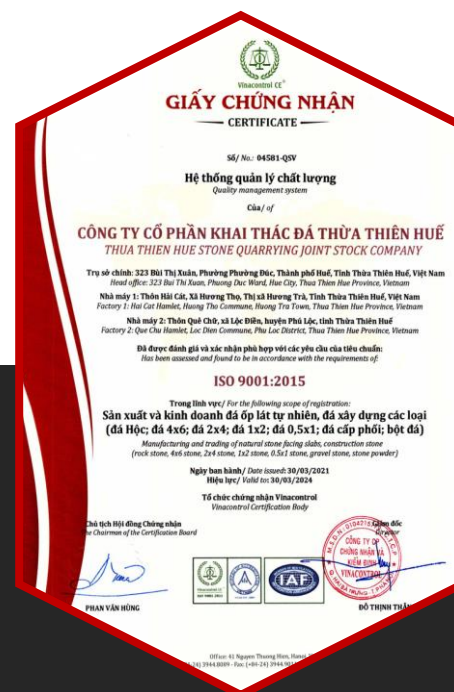
These product lines are all products made directly from freestone, so they have bold natural beauty, extremely fresh, impressive and full of life with the following advantages:

- High hardness and durability.
- The color and texture of the stone are extremely beautiful.
- Excellent resistance to external forces.
- Water proof.





## Lab results of Hue Black Granite



# Certificate of Conformity

# ISO Certificate 9001:2015

Lab results - Page 1

Lab results - Page 2

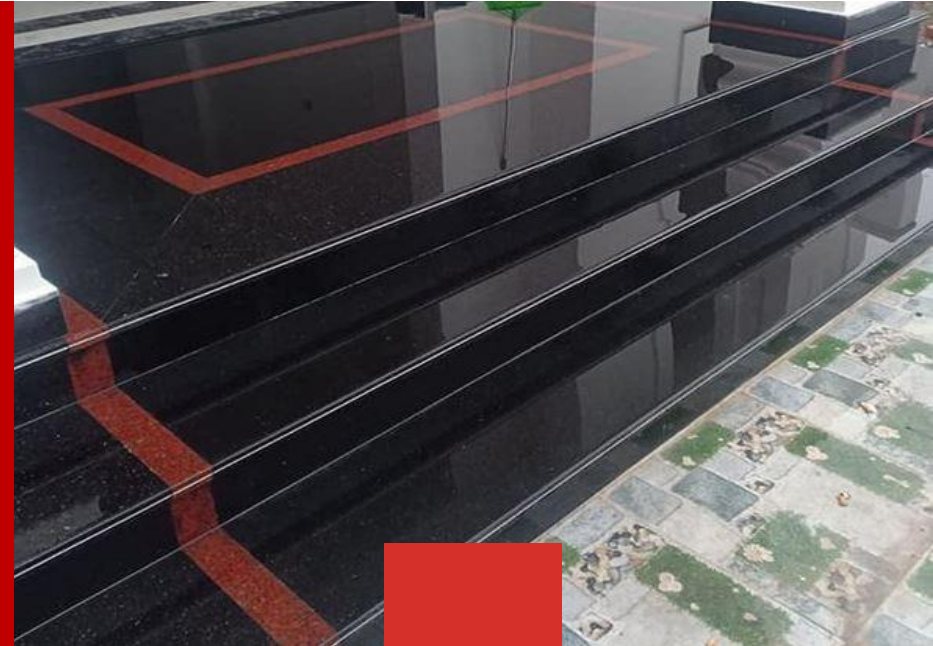
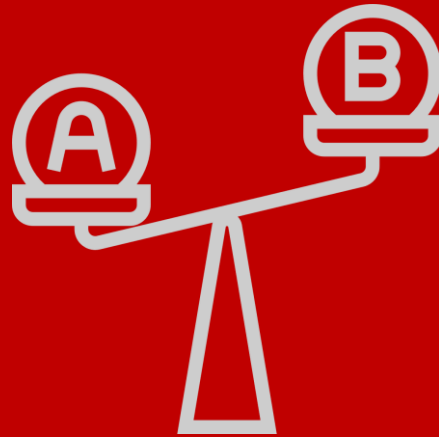
# Compare Hue Black Stone to other stones

Initial construction completed:



## Hue Granite

Made all natural, 100% natural including polishing process. Therefore, the real color of Hue black stone is preserved. Initially, the construction is finished without the gloss and eye-catchingness like other stones.



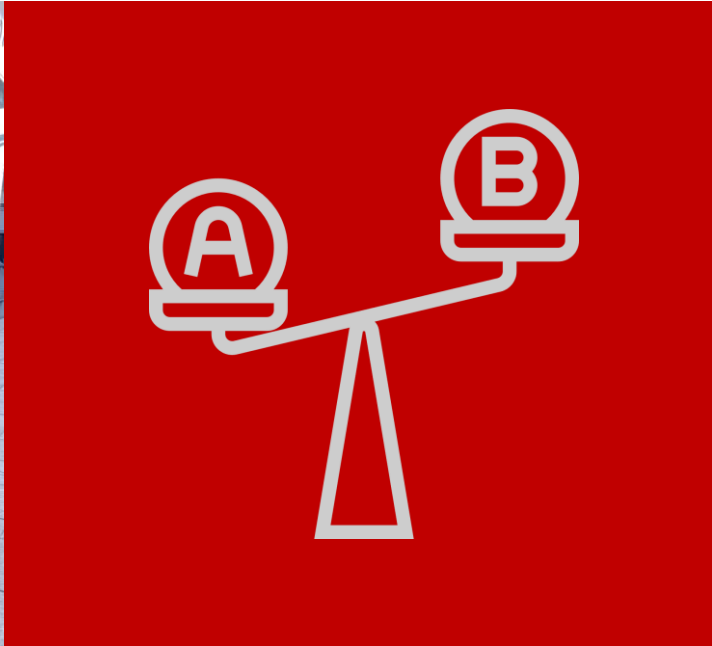
## Other Stone

Using the original polishing technology like Hue stone, but because the stone quickly absorbs water, after polishing, more chemicals will be used to increase the gloss. The actual stone surface has a eye-catching gloss.



# Compare Hue Black Stone to other stones

After 1 year of use:



## Hue Granite

Because it is the actual color of the stone, over time the stone color remains the same. There are more outstanding properties than other stones such as waterproof, good scratch resistance

## Other Stone

Due to the use of chemicals to increase gloss. So over a period of use, the chemical fades and does not retain the original shine. When cleaning using chemicals, it is easier to fade the color



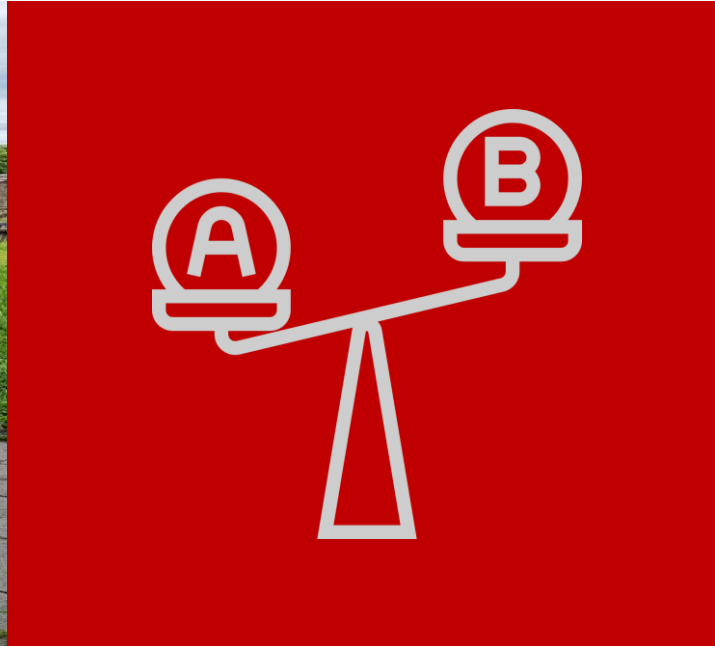
# Compare Hue Black Stone to other stones

Park bench – After 2 years of use:



## Hue Granite

The surface is easy to clean, so the more the gloss increases, the more beautiful the black color is



## Other stone

The quality of the stone is not guaranteed, When used outdoor, it often experiences harsh climates (sunshine and rain) thus making it permeable and fade color.



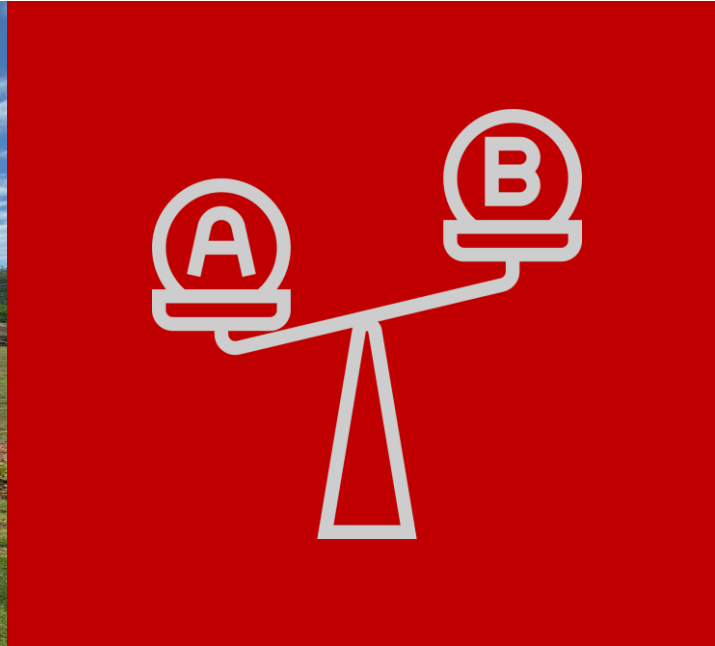
# Compare Hue Black Stone to other stones

Mausoleum - Tomb after 3 years of use:



## Hue Granite

Outstanding properties of water resistance, waterproofing and weather resistance are superior to other stones available on the market. Therefore, after a period of use, it still retains the original color, adding more ancient and spiritual features when used as a mausoleum.



## Other stone

Other types of stone have poorer quality in terms of hardness, scratch resistance... In the harsh outdoor climate, it is easy to be affected by weather, water, and color fading.

# THANK YOU



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