

# THE COBBLE LAB.

Granite Cobbles and Pavers

THE  
**stone.**  
LAB®





PAVER



CHAIN



COBBLE SPLITFACE

**The Cobble Lab.**





# CONTENTS

## PAGE 1 & 2

### **Who We Are?**

"Discover Our  
Company and  
Mission"

## PAGE 3 & 5

### **Why Choose Granite & Finishes**

"Benefits and  
Advantages of  
Granite"

## PAGE 6

### **Cobbles?**

"Timeless Beauty  
of Natural  
Cobbles"

## PAGE 7 & 8

### **Pavers - Shape and Patterns?**

"Exploring Various  
Shapes and  
Patterns"

COBBLE TUMBLED



# The Cobble Lab. Who we are.



At our company, we take immense pride in our quarrying expertise, with a particular focus on the renowned **Nero Impala®** material. As a key member of the **Finstone Group**, we are not only committed to excellence but also to innovation and sustainability. Our visionary teams at **The Stone Lab** have pioneered a transformative initiative in the cobbles and pavers industry, known as the "The Cobble Lab."

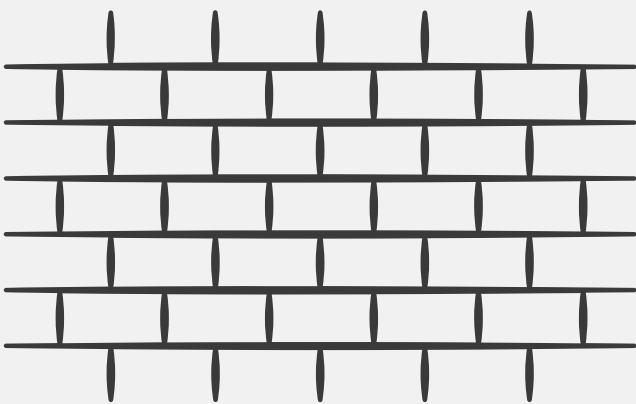
The **The Cobble Lab** is more than just a product line; it is a testament to our dedication to reducing carbon emissions and minimizing environmental impact. By meticulously refining our quarrying processes, we aim to drastically lower the carbon footprint per cubic meter of stone extracted. This endeavor is a crucial part of Finstone's "No Waste Campaign," emphasizing our resolve to utilize every fragment of quarried stone, thereby reducing waste and conserving resources.

Moreover, the The Cobble Lab is designed to offer a sustainable alternative to cement, which is notorious for its high carbon emissions due to extensive man-made processes. In contrast, granite is a natural material, extracted directly from the earth, and requires significantly less energy-intensive processing. By championing the use of granite over cement, we are actively contributing to a greener construction industry.





# Redefining sustainable elegance.



Our commitment to environmental stewardship is unwavering. Through **The Cobble Lab**, we are setting new standards in the industry, showcasing the timeless beauty and unparalleled durability of granite while prioritizing the health of our planet. Join us in our journey towards a sustainable future, where innovation and responsibility go hand in hand.





# Why We Should Choose Granite.

## Environmental Impact

- Granite: Granite has a lower carbon footprint compared to cement. According to a study by the Natural Stone Council, granite contributes significantly fewer greenhouse gas emissions per square meter of installation compared to concrete paving stones (Natural Stone Council, "Environmental Impact of Natural Stone Compared to Alternative Building Materials").
- Cement: Cement production is known for its high carbon emissions due to the energy-intensive processes involved in clinker production and kiln operations. Concrete products made with cement have a higher environmental impact compared to natural stone alternatives.

## Durability and Longevity

- Granite: Granite is renowned for its exceptional hardness and durability. Studies in the Journal of Cleaner Production have demonstrated that granite cobbles and pavers exhibit superior resistance to wear, abrasion, and weathering, making them suitable for long-lasting outdoor applications (Journal of Cleaner Production, "Comparative Life Cycle Assessment of Granite and Concrete Pavers").
- Cement: Concrete products, while durable, may be prone to cracking and require more frequent maintenance and repairs over time compared to natural stone like granite. The longevity of concrete depends heavily on the quality of its mix and installation.



# Where sustainability meets timeless durability, paving the way for a greener future.



## Aesthetic and Design Flexibility

- Granite: Granite offers a wide range of natural colors, textures, and patterns, providing design flexibility and aesthetic appeal that can enhance the visual quality of outdoor spaces (Stone World, "Granite: A Natural Choice for Paving").
- Cement: Concrete can also be versatile in terms of design, with options for different finishes and colors, but it may lack the natural variation and character that granite inherently offers.

## Life Cycle Assessment (LCA)

- Life cycle assessments comparing granite and cement products have consistently shown that granite tends to have a lower environmental impact overall, considering factors such as raw material extraction, production, installation, maintenance, and end-of-life disposal (Journal of Cleaner Production, "Comparative Life Cycle Assessment of Granite and Concrete Pavers").



5.

# Finishes



**Sawn**



**Waterjet**



**Flamed**



# Cobbles



**Tumbled | Nero Impala©**

80x80mm  
100x100mm

**Thickness**

30mm  
50mm

**Sizes**

80x80x30mm  
80x80x50mm  
100x100x30mm  
100x100x50mm

**Illustration**



**Split Face | Nero Impala©**

80x80mm  
100x100mm

**Thickness**

30mm  
50mm

**Sizes**

80x80x30mm  
80x80x50mm  
100x100x30mm  
100x100x50mm

**Illustration**





# Pavers - Shape and Patterns



**Crazy Paving**  
**Nero Impala®**  
Crazy

## Thickness

20mm  
30mm

## Sizes

Crazyx20mm  
Crazyx30mm

## Finishes

Waterjet  
Flamed  
Sawn

## Illustration



**Chain | Nero Impala®**

200x100mm

## Thickness

20mm  
30mm

## Sizes

200x100x20mm  
200x100x30mm

## Finishes





Waterjet  
Sawn

## Illustration





# Pavers - Shape and Patterns

<b>Paver   Nero Impala©</b>  100x100mm 200x100mm 300x300mm 400x400mm 300x600mm 600x600mm	<b>Thickness</b>  20mm 30mm	<b>Sizes</b>  100x100x20/30mm 200x100x20/30mm 300x300x20/30mm 400x400x20/30mm 600x300x20/30mm 600x600x20/30mm	<b>Finishes</b>  Waterjet Sawn	<b>Illustration</b> 
<b>Waves   Nero Impala©</b>  200x100mm	<b>Thickness</b>  20mm 30mm	<b>Sizes</b>  200x100x20mm 200x100x30mm	<b>Finishes</b>  Waterjet Sawn	<b>Illustration</b> 
<b>Flower   Nero Impala©</b>  170x170mm	<b>Thickness</b>  20mm 30mm	<b>Sizes</b>  170x170x20mm 170x170x30mm	<b>Finishes</b>  Waterjet Sawn	<b>Illustration</b> 
<b>Hexagon   Nero Impala©</b>  130x120mm	<b>Thickness</b>  20mm 30mm	<b>Sizes</b>  130x120x20mm 130x120x30mm	<b>Finishes</b>  Waterjet Sawn	<b>Illustration</b> 





# GRANITE... A LASTING BEAUTY WITHOUT THE ENVIRONMENTAL GUILT.



 20 Dawn Rd, Montague Gdns Ind, Milnerton, 7441  +27 76 934 8189 | Ashton  
 salescpt@stoneconnection.com  +27 21 5519700 | Office  +27 83 581 5629 | Renette

THE  
**stone.**  
LAB®