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TILES®

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# *Terrazzo & Terrazzo Concrete*

Product and Technical Information for Terrazzo Cementitious Tile Range.





# Terrazzo Concrete



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Eco Friendly Tiles Limited  
Ground Floor, Solon House  
40a Peterborough Road  
London  
SW6 3BN  
0844 980 2233  
info@ecofriendlytiles.co.uk  
ecofriendlytiles.co.uk

## Wall or Floor Application

These tiles are formed by a mixture of mineral powders, cement, water and natural colorants using traditional methods. The coloration of the material is given by the natural oxides. Terrazzo Concrete is made of up to 80% waste recycled from the marble and stone industry.

## Available Sizes

- 1) 200 x 200 x 13mm
- 2) 600 x 600 x 20mm
- 3) Hexagon 200 x 13mm



VTS.A16



VTS.A10



VTS.A1



VTS.A9



VTS.A2



VTS.A4



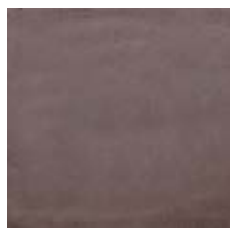
VTS.A18



VTS.A20



VTS.A15



VTS.A5



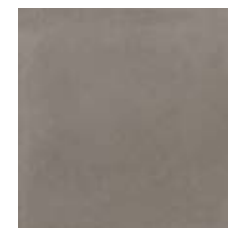
VTS.A17



VTS.A12



VTS.A8



VTS.A6



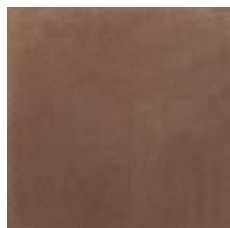
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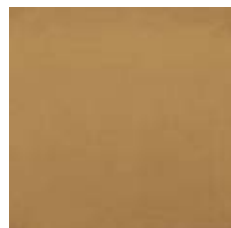
VTS.A11



VTS.A19



VTS.A14



VTS.A3



VTS.A13



VTS.A21

# Terrazzo Concrete - Technical Specification

## Size, Weights and Thicknesses

- 1) 200 x 200 x 13mm – 30 Kg/sqm
- 2) 600 x 600 x 20mm – 50 Kg/sqm
- 3) Hexagon 200 x 13mm – 30 Kg/sqm

Physical & Chemical Properties	Norm/Test Method	Required Standard	Results
Dimensions	EN ISO 13748-1		Conforms
Water Absorption	EN ISO 13748-1	4.2.6 (Max 8%)	7.90%
Flexion Resistance	EN ISO 13748-1	4.2.4 (Min 5 Mpa)	11.8 Mpa (200 x 200mm x 13mm)
		4.2.4 (Min 5 Mpa)	Enquire for other sizing
Fire Resistance	EN ISO 13748-1	4.2.7	A1

Please note that due to the hand made nature of these tiles, there can be increased lead times and varied characteristics in the finished product.

This technical information sheet is not a guarantee of performance and is not a warranty, either explicit or implicit. Rather, it tries to summarize for the designer, installer or developer the technical data provided to Eco Friendly Tiles by the independent tile manufacturer. This information may not be applicable in all geographical areas. It is the responsibility of those individuals who are referring to this document to independently research and determine which tiles are suitable for a given project according to applicable British or International Standards and any governing legislative requirements. This document cannot be used as expert opinion, evidence or in any legal or administrative procedure unless authorized by Eco Friendly Tiles Ltd.

\*This is a completely handmade product so it is not subject to any European legislation. For further information please contact Eco Friendly Tiles.

## Certifications



Eco Friendly Tiles Limited  
Ground Floor, Solon House  
40a Peterborough Road  
London  
SW6 3BN  
0844 980 2233  
info@ecofriendlytiles.co.uk  
ecofriendlytiles.co.uk



# Terrazzo - Large Grain

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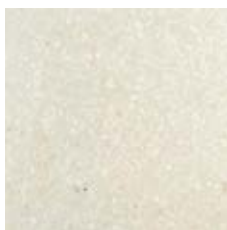
Eco Friendly Tiles Limited  
Ground Floor, Solon House  
40a Peterborough Road  
London  
SW6 3BN  
0844 980 2233  
info@ecofriendlytiles.co.uk  
ecofriendlytiles.co.uk

## Wall or Floor Application

These tiles are formed by a mixture of mineral chips and slices, cement, water and natural colorants using traditional methods. The coloration of the tile is given by the natural oxides. Large Grain terrazzo is made of up to 80% waste recycled from the marble and stone industry.

## Available Sizes

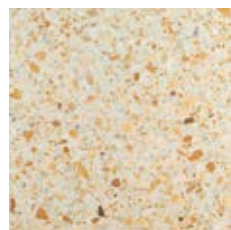
- 1) 400 x 400 x 20mm
- 2) 600 x 600 x 20mm



VTS.L204



VTS.L205



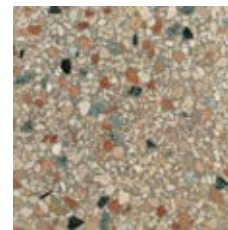
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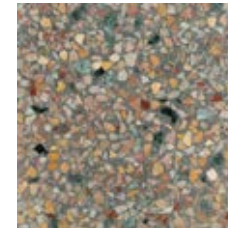
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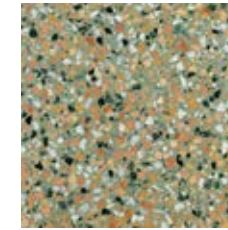
VT2.L202



VTS.L208



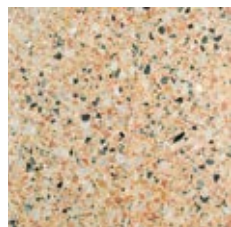
VTS.L212



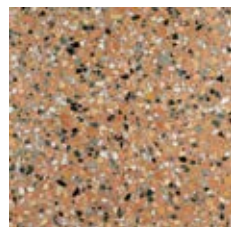
VTS.L213



VTS.L214



VTS.L201



VTS.L200

# Terrazzo Large Grain - Technical Specification

## Size, Weights and Thicknesses

- 1) 400 x 400 x 20mm – 50 Kg/sqm
- 2) 600 x 600 x 20mm – 50 Kg/sqm

Physical & Chemical Properties	Norm/Test Method	Required Standard	Results
Dimensions	EN ISO 13748-1		Conforms
Water Absorption	EN ISO 13748-1	4.2.6 (Max 8%)	4.70%
Flexion Resistance	EN ISO 13748-1	4.2.4 (Min 5 Mpa)	5.4 Mpa
Fire Resistance	EN ISO 13748-1	4.2.7	A1

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40a Peterborough Road  
London  
SW6 3BN  
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# Terrazzo - Medium Grain



ECO  
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TILES®  
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Ground Floor, Solon House  
40a Peterborough Road  
London  
SW6 3BN  
0844 980 2233  
info@ecofriendlytiles.co.uk  
ecofriendlytiles.co.uk

## Wall or Floor Application

These tiles are formed by a mixture of mineral chips and slices, cement, water and natural colorants using traditional methods. The coloration of the tile is given by the natural oxides. Medium Grain terrazzo is made of up to 80% waste recycled from the marble and stone industry.

## Available Sizes

- 1) 200 x 200 x 12mm
- 2) 250 x 250 x 13mm
- 3) 300 x 300 x 17mm
- 4) 300 x 600 x 17mm
- 5) 400 x 400 x 17mm
- 6) 600 x 600 x 17mm
- 7) Hexagon 200 x 12mm
- 8) Hexagon 250 x 13mm



VT.S.M119

VT.S.M117

VT.S.M120

VT.S.M118

VT.S.M108



VT.S.M103

VT.S.M93

VT.S.M115

VT.S.M86

VT.S.M114

VT.S.M83

VT.S.M77

VT.S.M97

VT.S.M107



VT.S.M78

VT.S.M109

VT.S.M111

VT.S.M106

VT.S.M95

VT.S.M98

VT.S.M116

VT.S.M112

VT.S.M94



VT.S.M105

VT.S.M102

VT.S.M80

VT.S.M89

VT.S.M76

VT.S.M104

VT.S.M113

VT.S.M96

# Terrazzo Medium Grain - Technical Specification

## Size, Weights and Thicknesses

1) 200 x 200 x 12mm	- 30 Kg/sqm
2) 250 x 250 x 13mm	- 32 Kg/sqm
3) 300 x 300 x 17mm	- 40.5 Kg/sqm
4) 300 x 600 x 17mm	- 40.5 Kg/sqm
4) 400 x 400 x 17mm	- 40.5 Kg/sqm
5) 600 x 600 x 17mm	- 40.5 Kg/sqm
6) Hexagon 200 x 12mm	- 30 Kg/sqm
7) Hexagon 250 x 13mm	- 32 Kg/sqm

Physical & Chemical Properties	Norm/Test Method	Required Standard	Results
Dimensions	EN ISO 13748-1		Conforms
Water Absorption	EN ISO 13748-1	4.2.6 (Max 8%)	5.30%
Flexion Resistance	EN ISO 13748-1	4.2.4 (Min 5 Mpa)	8.9 Mpa (200x200x12mm & 250x250x13mm)
		4.2.4 (Min 5 Mpa)	9.2 Mpa (400x400x17mm)
		4.2.4 (Min 5 Mpa)	5.4 Mpa (600x600x17mm)
Fire Resistance	EN ISO 13748-1	4.2.7	A1

Please note that due to the hand made nature of these tiles, there can be increased lead times and varied characteristics in the finished product.

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London  
SW6 3BN  
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info@ecofriendlytiles.co.uk  
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# Terrazzo - Small Grain



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Ground Floor, Solon House  
40a Peterborough Road  
London  
SW6 3BN  
0844 980 2233  
info@ecofriendlytiles.co.uk  
ecofriendlytiles.co.uk

## Wall or Floor Application

These tiles are formed by a mixture of finely ground mineral chips and slices, cement, water and natural colorants using traditional methods. The coloration of the tile is given by the natural oxides. Small Grain terrazzo is made of up to 80% waste recycled from the marble and stone industry.

## Available Sizes

- 1) 200 x 200 x 12mm
- 2) 250 x 250 x 13mm
- 3) 600 x 600 x 17mm
- 4) Hexagon 200 x 12mm
- 5) Hexagon 250 x 13mm



VTS.S52



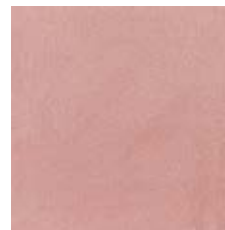
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VTS.S65



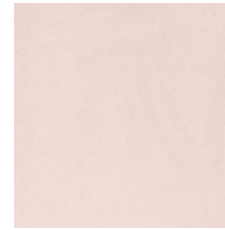
VT2.S45



VTS.S46



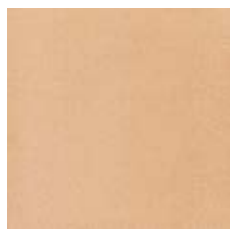
VTS.S47



VTS.S49



VTS.S56



VTS.S50



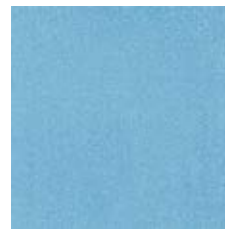
VTS.S51



VTS.S66



VT2.S54



VTS.S53

# Terrazzo Small Grain - Technical Specification

## Size, Weights and Thicknesses

- |                       |               |
|-----------------------|---------------|
| 1) 200 x 200 x 12mm   | - 30 Kg/sqm   |
| 2) 250 x 250 x 13mm   | - 32 Kg/sqm   |
| 3) 600 x 600 x 17mm   | - 40.5 Kg/sqm |
| 4) Hexagon 200 x 12mm | - 30 Kg/sqm   |
| 5) Hexagon 250 x 13mm | - 32 Kg/sqm   |

Physical & Chemical Properties	Norm/Test Method	Required Standard	Results
Dimensions	EN ISO 13748-1		Conforms
Water Absorption	EN ISO 13748-1	4.2.6 (Max 8%)	7.90%
Flexion Resistance	EN ISO 13748-1	4.2.4 (Min 5 Mpa)	11.8 Mpa (200 x 200mm x 13mm)
		4.2.4 (Min 5 Mpa)	7.6 Mpa (600 x 600 x 17mm)
Fire Resistance	EN ISO 13748-1	4.2.7	A1

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London  
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# The Terrazzo Story



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## Their History

The manufacturer first established their company late 1800, where techniques have been passed down to each generation. Over the years, they have strengthened their two design aesthetics focusing on the floral and geometric elements. In this current era, the manufacturer has evolved to reflect current eco trends and become one of the leaders within this unique market of cement tiles without compromising quality and their historical prestige.

These tiles are formed by a mixture of mineral powders, cement, water and natural colorants using traditional methods. The coloration of the material is given by the natural oxides ensuring the life cycle of product does not harm the environment. Terrazzo Concrete is made of up to 80% waste recycled from the marble and stone industry.

## Their Future

As innovators within the industry, the company is looking forward and combining their sustainability ethos with new technologies. This exciting venture is currently in the developmental stages but will see their historical knowledge of cement tiles fused with recycled glass waste material from the residential and construction industry.

The residential and construction industry is currently one of the largest generators of waste within Europe and this product aims to reduce the amount of waste that results in landfill. Not only are they are considering the physical ingredients but the actual pigment will incorporate recycled toner cartridge ink. The creation process also allows for a 20% energy reduction compared to the traditional methods whilst still maintaining the high grade characteristics of the terrazzo tiles. The manufacturer is working in partnership with the EU as part of the LIFE ECO TILES project. The Life Eco Tiles project assists in funding companies wanting to develop new clean technologies and assist in reaching the 2020 goals on 'Waste and Resource Efficiency', by reducing emissions, resource waste, impacts on human health and the environment.

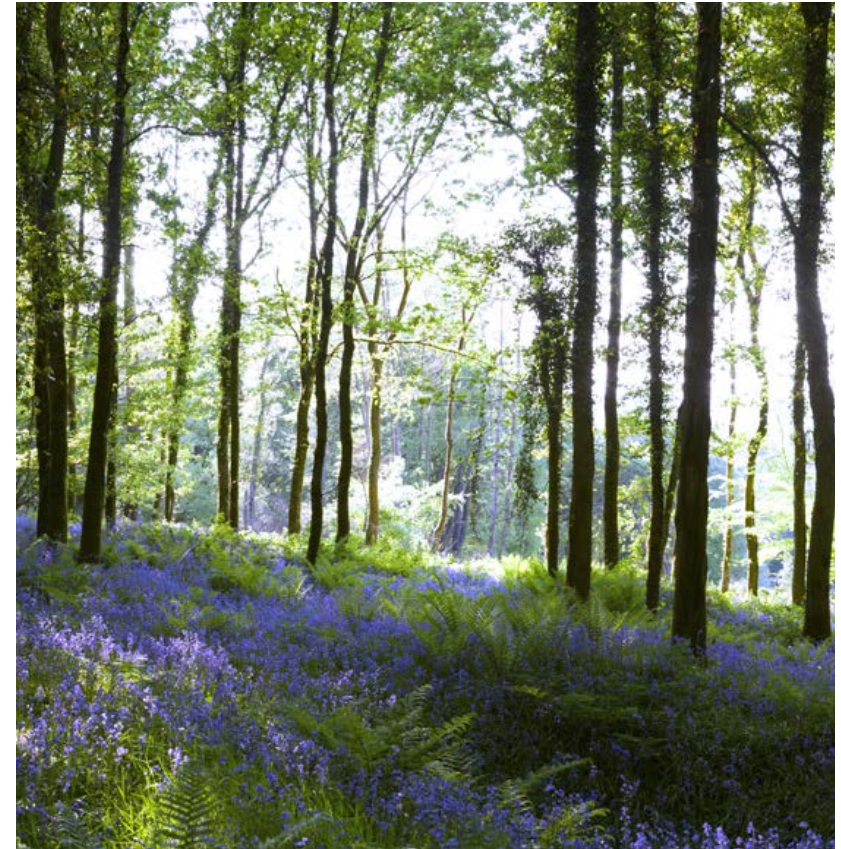


## *Terrazzo & Eco Friendly Tiles*

Eco Friendly Tiles believe that all business operations should be carried out in a way that enhances and supports the natural environment. In addition to our own in-house environmental responsibilities, we maintain Carbon Neutral™ Certified status to ensure all our operations amplify our environmental resourcefulness. We request certification and ecological improvement information from all suppliers.

We favour those who commit to the recycling of pre and post-consumer recycled materials. Where possible, suppliers who use environmentally responsible technologies for the manufacture of their products are given preference within our supply chain. We Carbon Offset our emissions and actively support renewable energy and water stewardship initiatives internationally.

Eco Friendly Tiles admires the manufacturer's forward thinking approach to creating tiles and their ability to re-invent traditional practices to reflect modern times. The relationship between the two companies has blossomed in recent times as we both aim to achieve a clean environment and a brighter future.



Thank you for requesting this information from Eco Friendly Tiles.  
While we've got your attention, we'd like to introduce you to our services...



#### **CPD**

Book an event to see how green means go with eco rated tiles.



#### **Mobile Sample Library**

Our sampling service comes right to your door along with one-on-one product consultation.



#### **Eco Box**

See it, touch it... our sample boxes link to online data sheets.



#### **Samples**

Carbon off-set sample deliveries.



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