

# MIDDLE EARTH TILES

Proudly Made in NZ



## WHAT DOES MADE IN NEW ZEALAND MEAN AT MIDDLE EARTH TILES

On the following pages you will see on most of the pages have the Made in New Zealand Logo. This means that these tiles are made in our factory in Warkworth using New Zealand Raw Materials and employing New Zealanders. The only imported raw materials are in the glazes we manufacture for our glazed tiles and the sealing material we use for pre-sealing our terracotta style tiles.



We use good Warkworth clay which is aged (called "souring") for 12 months before being dried and stored for the production process

The clay is crushed and then combined with a "grog" of West Coast black sand before being extruded in the various tile shapes. At this stage the tiles are often hand crafted to give a unique hand finish.



After extrusion the tiles are dried for 48 hours before being fired at temperatures of over 1100 c.

All our hand glazed tiles are truly hand glazed, giving the unique and vibrant colours which are Middle Earth tiles.



**Middle Earth Tiles Proudly 100% New Zealand**



Middle Earth Tiles are true "NATURAL TILES"  
which like good wine improve with age

## Why Specify Middle Earth Tiles?

<b>ECOLOGICAL</b>	Middle Earth tiles use natural raw materials and are 100% recyclable
<b>NO VOC's</b>	There are no Volatile Organic Compounds (VOC) used in manufacturing.
<b>"CRADLE TO GRAVE"</b>	In today's ecological conscious world, Middle Earth tiles are truly a "cradle to grave" product, which are long lasting and easy to maintain with environmentally acceptable cleaners
<b>CARBON FOOTPRINT</b>	Middle Earth tiles have the lowest carbon foot print of any tile supplier to the New Zealand market
<b>COLOURFAST</b>	The colour of Middle Earth terracotta is created by firing temperature. Unlike concrete, Middle Earth tiles will not fade with age.
<b>NON-SLIP</b>	Middle Earth terracotta tiles have a mean coefficient of friction of 0.7 (Horizontal surfaces in New Zealand should have a mean coefficient of friction not less than 0.40).
<b>WEIGHT/THICKNESS</b>	Middle Earth tiles differ from the competition through their easily visible greater thickness, which gives higher quality. "Size does count"
<b>SELECTION OF PIECES AND SIZES</b>	Middle Earth have a large number of special pieces and sizes giving a solution to a large number of architectural applications
<b>NON REFLECTIVE</b>	Used outside, Middle Earth terracotta tiles will not dazzle in bright light.
<b>THICKNESS OF GLAZE</b>	Middle Earth Glazed tiles are hand glazed with a minimum of three thick glaze coats unlike "photo-copy" machine glazed tiles. This gives a long lasting colour finish with real depth of colour
<b>HIGH THERMAL MASS</b>	Middle Earth Terracotta tiles have excellent thermal mass. The tiles absorb heat during the day to expel in the evenings, likewise stay cooler as the day heats up.
<b>WATER ABSORPTION</b>	Except for Cobble tiles, all Middle Earth Terracotta tiles are pre-sealed giving excellent resistance to water absorption and freezing.
<b>TIMELESS</b>	Unlike imported tiles which are often supplied from limited production runs, Middle Earth tiles are timeless and additional tiles are available many years after the original tiles have been installed.
<b>MADE IN NEW ZEALAND</b>	The Middle Earth Tile Company is a proud New Zealand manufacturer and is 100% New Zealand owned

**Introduction**

Climate change has risen up the agenda over recent years as concern has mounted over the impact of greenhouse gas emissions on the climate.

At Middle Earth Tiles, we design and develop our products in a way that cares for the environment. We believe that innovation and sustainability can go hand in hand. We use clean craft processes and industrial technology to create sustainable products.

Some of the key points detailing the environmental aspects of Middle Earth Tiles are:

- Sustainability
- Recycled Content
- Installation Process and Final Installation
- The Manufacturing Process



*Harakeke / Flax*

**Sustainability**

Middle Earth Tiles are amongst the longest lasting wall and floor coverings products available. Ceramic tiles have been known to last for decades and even centuries without needing to be replaced. Middle Earth tiles are designed with a thick body and rugged glazes to stand the test of time, just as ceramic tile has throughout the ages.

"Cradle to Grave" is fast becoming the standard by which the sustainability of building products are measured. This focus puts emphasis on the entire life cycle of a product and has designers turning to tile, especially well made classic tiles like Middle Earth tiles, because of this important feature.

Middle Earth tiles are an excellent "Cradle to Grave" product because the raw material are extracted close to the manufacturing site, they will last for many years, even centuries and the designs are timeless.

Middle Earth tiles can be returned to the environment with no ill effects at the end of the cycle.

**Recycled Content**

During the manufacturing process, waste is recovered and returned to the manufacturing process.

- Unfired clay is returned to the manufacturing process
- Waste fired product is used as a hard pavement or a permanent mulch in gardens
- Waste water is recycled
- Because all glazing is done by hand and not air sprayed, the waste glaze is very minimal and only from the cleaning of the brushes

**Installation Process and Final Installation**

Middle Earth tiles can be installed and sealed with inert products, providing air quality advantages during installation. The kiln-fired natural materials that make up Middle Earth tiles produce no "off-gassing" sometimes associated with other products.

- Middle Earth tiles are neither an "original source" nor a source for 'absorbed' volatile organic chemicals (VOC).
- Middle Earth tiles will not contribute to the growth of mould or bacteria.
- Middle Earth tiles help contribute to a healthy living or work environment.
- Another possible source of VOC's is cleaning products. Middle Earth tiles can be cleaned using non-toxic, water-based cleaners.
- The long-term durability of Middle Earth tiles, means that replacement costs can be reduced to such a degree that lifetime costs are far less than those associated with other products, especially in areas of high wear.

**The Manufacturing Process**

- All unused clay is reused in the tile production.
- There is no heavy processing of the raw materials.
- Raw materials are sourced next to or close to the factory.
- Wastewater is reused.
- No heavy metals are used in the production.
- All energy is sourced by gas pipeline or electric power line with no carbon footprint.
- There is no air spray pollution from applying the glaze material
- Except for strapping all packaging is recyclable.
- It is widely recognised that transportation of products contributes to global warming. Middle Earth tiles proudly Made in New Zealand reduce 'carbon miles'.
- Middle Earth tiles produce no "off-gassing" associated with some other flooring and finishes.
- Middle Earth tiles by their very nature are a long lasting sustainable product.

Inspired by Friedensreich Hundertwasser, an international acclaimed Austrian painter, architect and sculptor, Middle Earth tiles are able to offer a unique design and tile supply service for tiling projects that require a individual organic tiling style.



Courtyard under construction



Home patio

Common themes of Hundertwasser's original design was the rejection of the straight line "the devil's tools" and the use of bright colours, organic forms, a reconciliation of humans with nature with a strong individualism. His architectural work is comparable to Antoni Gaudí in its use of tile. He is renowned for his revolutionary architectural designs, which incorporate natural features of the landscape, and use of irregular forms in his building design, his designs often featured undulating floors ("an uneven floor is a melody to the feet") and roofs covered with earth and grass.

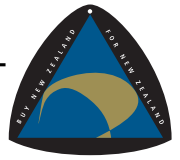


Quixote Vineyard (Hundertwasser design)








### **Middle Earth Organic Tiling Service**

The Middle Earth Organic tiling service is headed by Chris Southern who worked closely with Hundertwasser on the iconic Kawakawa toilet block. Chris will provide you with an individual concept vision and overall plan for your unique project. While we can never totally replicate Hundertwasser's original designs our concept will have flowing lines and the use of bright colours utilizing our unique tiles and colours to create that special individual design.

Chris will work closely with a recommended tile installer to ensure the final project is created to give you a special and exciting finished design.



NOTE: Colour and shade variation are inherent qualities in all fired ceramic products.

Tile Shape	Tile Size (mm)	Frost Resistant	Salt Resistant	Slip Resistant	Tiles per m <sup>2</sup>	Grade	Colours in Tile Size
	150x150x12	✓	✓	✓	40	4	Gunmetal Sunset Red Terracotta
	200x200x12	✓	✓	✓	24	4	Sahara Sunset Red Terracotta
	250x250x14	✓	✓	✓	16	4	Autumn Gold Aztec Red Doeskin Fireburst Gunmetal Rustic Sahara Sunburst Sunset Red Terracotta
	300x300x14	✓	✓	✓	11	4	Autumn Gold Doeskin Rustic Sahara Sunburst Terracotta
	300x100x14	✓	✓	✓	32	4	Rustic Sunset Red Terracotta
	310x150x14	✓	✓	✓	20	4	Rustic Sunburst Sunset Red Terracotta
	Handcrafted 250x250x14	✓	✓	✓	16	4	Autumn Gold Aztec Red Doeskin Fireburst Gunmetal Rustic Sahara Sunburst Terracotta

**Colours Available**



AUTUMN GOLD



AZTEC RED



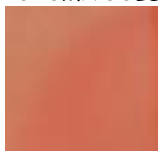
DOESKIN



FIREBURST



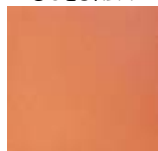
GUNMETA



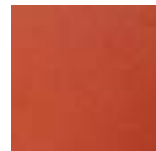
RUSTIC



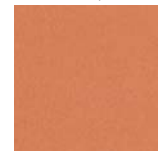
SAHARA



SUNBURST



SUNSET RED



TERRACOTTA

## **SLIP RESISTANCE TEST REPORT**

Client: Middle Earth Tiles  
Client's Reference: Guy Roberts

Tested By: Kevin Stackhouse  
Date: 05/04/2007

### **DESCRIPTION OF SAMPLE**

Manufacturer: Middle Earth Tiles  
Common Name: Terracotta  
Specimen Size: 300mm x 300mm  
No. of Specimens Tested: FIVE

Material Type: Clay and Sand  
Surface Type: Un-glazed  
Surface Coating: Nil

### **METHOD**

Tests were carried out in accordance with AS/NZS 3661.1 : 1993 Slip Resistance of Pedestrian Surfaces, Part 1- Requirements, Appendix A "Method for the Measurement of the Coefficient of friction of Wet Surfaces".

Type of Test: Fixed

Location of Test: Safety Step workshop

Air Temperature: 20°C

SLOPE:

### **RESULTS**

Specimen No.	Dilution Ratio	WET/DRY	Mean Coefficient of Friction
one		Wet	0.76
two		Wet	0.74
three		Wet	0.71
four		Wet	0.75
five		Wet	0.72

**SAMPLE MEAN COEFFICIENT OF FRICTION: 0.74**

### **REQUIREMENTS**

**Horizontal Surfaces:** When tested in accordance with the method set out in Appendix A, the pedestrian surface shall have a mean coefficient of friction of not less than **0.40** and no specimen in that sample shall be less than **0.35**.

**SAFETY STEP (NZ) LTD**

THE ULTIMATE IN ANTI-SLIP AND WAY FINDING SYSTEMS



NOTE: Colour and shade variation are inherent qualities in all fired ceramic products.



Natural terracotta tiles are create by firing clay at high temperatures and are timeless. They have been in fashion for 4,000 years; they have often been copied but have never been replaced. Created with the same earth and fire process, handcrafted natural terracotta tiles have warm everlasting variegated colours which range from deep reds, browns, khaki to cream and create long lasting floors which transcend fashion. The advantages Middle Earth handcrafted tiles offer include:

**Factory Treated** - to protect the tiles from water absorption and frost protection

**Colourfast** - will not fade with age (will not effloresce through free lime in the cement)

**Do not Reflect Sunlight** - used outside the tiles will not dazzle in bright sunlight

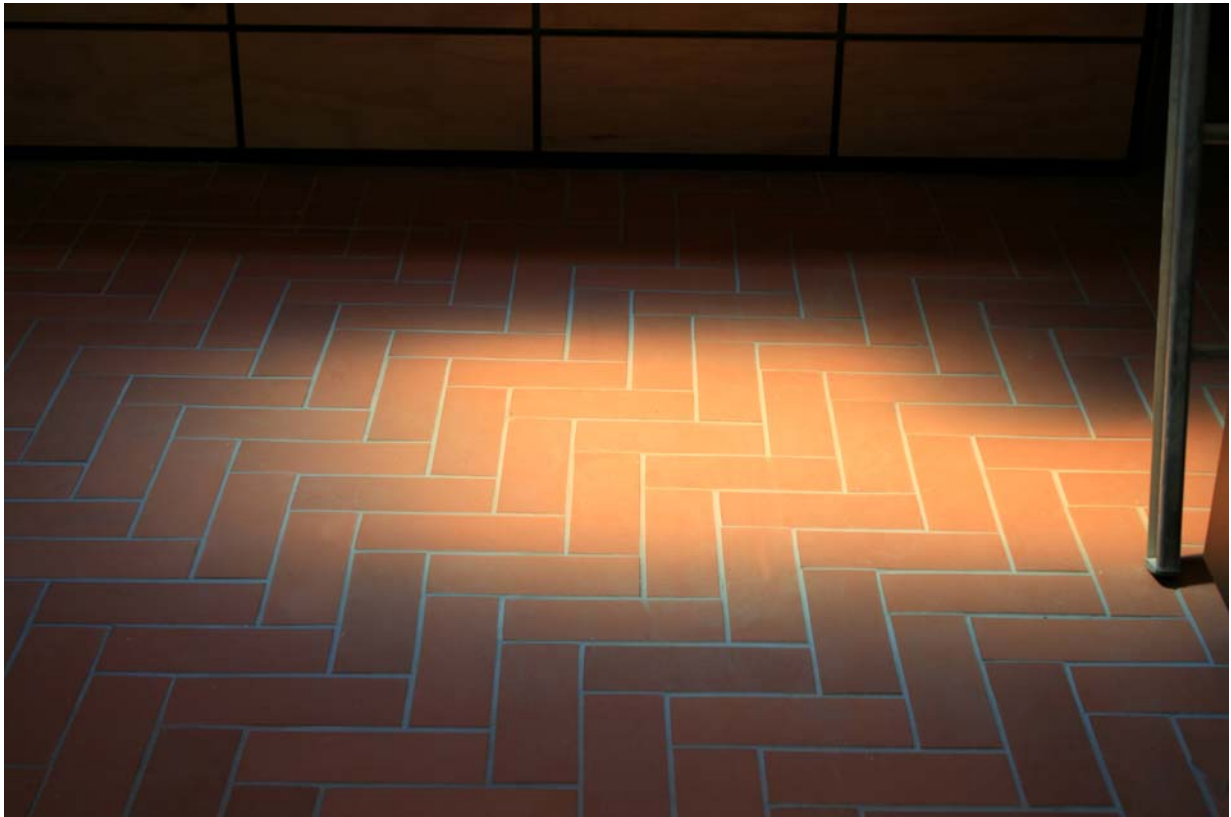
**Long Lasting** - easy to maintain and are long lasting with no pattern or glaze to wear out.

Tile Size	Grade	Salt Resistant	Slip Resistant	Kg's per m <sup>2</sup>	Tiles per m <sup>2</sup>	Autumn Gold	Doeskin	Fireburst	Gunmetal	Rustic	Sahara	Sunburst	Terracotta
200x200x12mm	4-5	✓	✓	30	24								
250x250x14mm	4-5	✓	✓	30	16								

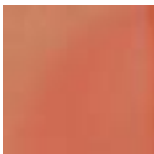

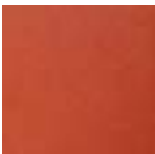
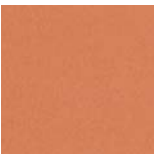
Terracotta handcrafted tiles are factory treated with a water resistant system



NOTE: Colour and shade variation are inherent qualities in all fired ceramic products.



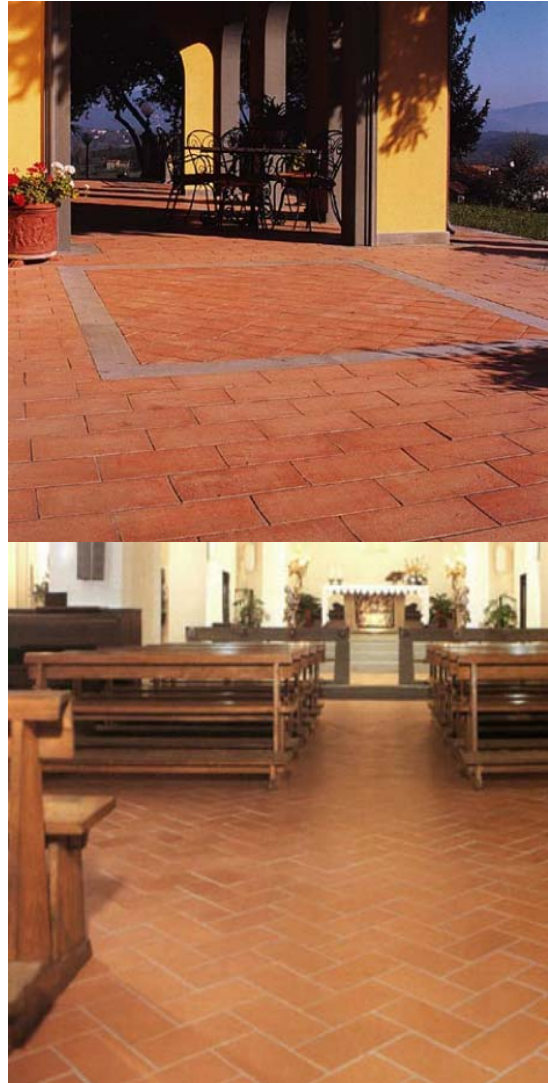
Middle Earth natural terracotta 300x100mm tiles offer an exciting new concept for pavements. The 300x100 sized tiles are a traditional form for terracotta tiles. It offers many opportunities of geometric form, allowing designers creativity in pavement design including laying patterns and styles, from the traditional "Stack Bonded" to "Herring Bone" or "Running or Brick Bond" styles. Middle Earth has information on many different tile laying options.

Tile Size	Grade	Salt Resistant	Slip Resistant	Kg's per m <sup>2</sup>	Tiles per m <sup>2</sup>	Tile Colours			
						Rustic	Sahara	Sunset Red	Terracotta
300x100x12mm	4-5	✓	✓	32	32				

Terracotta 300x100 Tiles are factory treated with a water resistant system



NOTE: Colour and shade variation are inherent qualities in all fired ceramic products.



Cool and inviting, natural terracotta floor tiles are like a good wine, they improve enormously with age. 310x150mm tiles are a traditional Tuscan size found in many private and public buildings. The size offers many opportunities of laying patterns and styles, from the traditional "Stack Bonded" to "Herring Bone" or "Running or Brick Bond" styles.

Tile Size	Grade	Salt Resistant	Slip Resistant	Kg's per m <sup>2</sup>	Tiles per m <sup>2</sup>	Tile Colours				
						Sahara	Rustic	Sunburst	Sunset Red	Terracotta
310x150x12mm	4-5	✓	✓	30	20					

Terracotta 310x150 Tiles are factory treated with a water resistant system



NOTE: Colour and shade variation are inherent qualities in all fired ceramic products.



Throughout the centuries terracotta tiles have been made of earth and fire and today Middle Earth natural terracotta tiles are made from the same material. Natural terracotta tiles are still a multi-faceted ecological product and like a good wine, they improve enormously with age.

Middle Earth natural terracotta Octagonal tiles have hand finished edges to round off sharp corners and give a softer finish and offer a unique and elegant classical pattern to tile flooring. The tiles are suitable for both indoor and outdoor installation and are supplied in a "mix and match", choose the colour of the tile and the insert separately. Orders can be supplied with all corners shaped or just two or one corner shaped.

The advantages Middle Earth handcrafted terracotta Octagonal Tiles offer include:

**Factory Treated** - Middle Earth tiles are factory treated to protect the tiles from water absorption

**Salt Safe** - Perfect for around salt water and chlorinated swimming pools

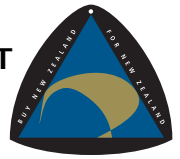
**Non-slip** - Terracotta tiles are non-slip and perfect for outdoor use

**Colourfast** - Middle Earth hand crafted tiles are colourfast and will not fade with age

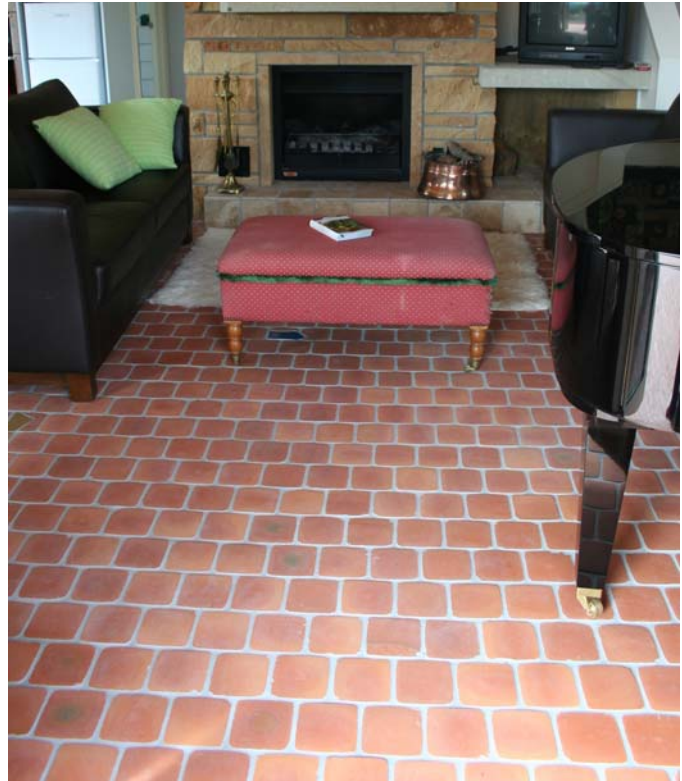
**Do not Reflect Sunlight** - Used outside the tiles will not dazzle in bright sunlight

**Long Lasting** - Natural terracotta tiles are easy to maintain and are long lasting; they have no pattern or glaze to wear out.

Tile Size	Grade	Salt Resistant	Slip Resistant	Kg's per m <sup>2</sup>	Tiles per m <sup>2</sup>	Autumn Gold	Doeskin	Fireburst	Rustic	Sahara	Sunburst	Sunset Red	Terracotta
250x250x14mm	4-5	✓	✓	25	16								



NOTE: Colour and shade variation are inherent qualities in all fired ceramic products.



Antique terracotta floor tiles are distinguished by their texture, variation and the patina that comes from years of use. In Europe there is a premium for reclaimed terracotta tiles and while in New Zealand we do not have the heritage to offer reclaimed tile flooring, Middle Earth Antiqued Akaroa Squares are a replica of traditional French Classic Melange floor tiles. The tiles have chipped edges, little craters and are not always the same size. These are not defects; they are what make the Antiqued Akaroa Squares so attractive. Their color will vary even on the same piece.

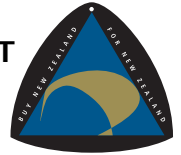
With the shape of the tiles, based on the Classic French Melange Squares, we have called them "Akaroa" in recognition of the early French settlers who settled in Banks Peninsular. Antique Akaroa Squares are hand made, and offer unique design opportunities. The tiles are suitable for either inside or outside use and offer designers and home-owners floors which are truly different from mass produced tiles. Antiqued Akaroa Squares with their quality, character, charm and vitality of our handmade production will create a special environment.

Tile Size	Colour Available	Tiles/m <sup>2</sup>	Grade	Weight/m <sup>2</sup>	Tiles/pack
115x115x14	Terracotta Mixed	64	4	30 kgs	64

### Installation

Antique Akaroa tiles are installed on a concrete or solid base.

Akaroa Square tiles are not pre-sealed, we recommend that the tiles are sealed before grouting with a penetrating sealer. With internal installations, the tiles can be waxed for a stunning classical antique finish.




NOTE: Colour and shade variation are inherent qualities in all fired ceramic products.



Borrowing from history, the concept for the Middle Earth Honeycomb tiles comes from the hexagonal unglazed tiles that were prevalent in the late Roman Empire. However in more recent times it is the French town of Salernes that is famous for the red hexagonal tiles that one sees in nearly every Provençal house. They are made from the rich red iron filled clay prevalent in the area where they are manufactured. Some times they are glazed to create an interesting pavement.

Like the Salernes tiles and following the same centuries old techniques, Middle Earth Honeycomb tiles are manufactured from a mixture of high iron content clays which after being shaped by wire cutting are fired at temperatures over 1100 C. With time the tiles will acquire a unique aged patina that will highlight the natural colours of the clays bringing a little bit of Provence to your home.

Tile Size	Colours Available	Tiles/ m <sup>2</sup>	Grade	Weight/m <sup>2</sup>	Tiles/pack
 130x130x14 Hexagonal	Antique or Red	64	3-4	30 kgs	.5 m <sup>2</sup>



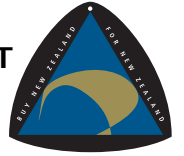
NOTE: Colour and shade variation are inherent qualities in all fired ceramic products.



Middle Earth Cobble Tiles have individual colour and patterns making unique textures and designs and offer a unique effect in lasting ceramic, non-slip, and colourfast tiles. Cobble Tiles are ideal for driveways, patios, swimming pool surrounds, pathways and barbecue areas. Curves, swirls and circles can be obtained with minimum cutting, creating an interesting tiled environment. The advantages Middle Earth Cobble Tiles offer include:

Tile Sizes	Tiles per m <sup>2</sup>	Grade	Salt Resistant	Slip Resistant	Kg's per m <sup>2</sup>	M <sup>2</sup> per pack	Tile Colours
	56	4	After sealing	Yes	30	.5	
							Antique
							Red

Terracotta Cobble Tiles are NOT factory sealed. It is recommended that the tiles are sealed during installation.



NOTE: Colour and shade variation are inherent qualities in all fired ceramic products.



**WHAT ARE RUN OF KILN TILES?**

- Run of Kiln (ROK) Tiles are the off-cut tile from the production of Bullnose tiles
- Their quality is identical to normal natural terracotta tiles
- The tiles are factory treated with the same water resistant system as standard tile production
- Run of Kiln tiles offer a very cost effective tiling solution.

Tile Size	Grade	Salt Resistant	Slip Resistant	Kg's per tile	Tile Colours									
					Autumn Gold	Doeskin	Fireburst	Gunmetal	Rustic	Sahara	Sunburst	Sunset Red	Terracotta	
300x200x14mm	4-5	✓	✓	1.3										
250x200x14mm	4-5	✓	✓	1.5										
200x200x14mm	4-5	✓	✓	1.7										








All Run of Kiln tiles are factory treated with a water resistant system

NOTE: Colour and shade variation are inherent qualities in all fired ceramic products.













400x400 tiles with 400x300 bullnose edging

Middle Earth natural terracotta 500, 400 and 320 mm tiles are a new concept to a traditional and proven pavement tile. Made from natural clay that is fired at high temperature, they offer an exciting new concept for outdoor pavements. The tiles are available in five modern colours and are factory treated with a water resistant system.

Tile Size	Grade	Salt Resistant	Slip Resistant	Kg's per m <sup>2</sup>	Tiles per m <sup>2</sup>	Tile Colours				
						Pompeii	Pewter	Maya	Chocolate	Sandstone
320x320x14 Standard Tile	5	✓	✓	32	9					
400x400x14mm Standard Tile	5	✓	✓	32	6					
500x500x14mm Standard Tile	5	✓	✓	32	4					

NOTE: Colour and shade variation are inherent qualities in all fired ceramic products.

Product and Size	Pool Edging	Colours Available	
<b>Sill/Pool Tile</b> 200x200x40mm		Autumn Gold Sahara Doeskin Gunmetal Sunset Red Terracotta	
<b>Bullnose Tile</b> 200x235x14mm		Sunset Red Terracotta	
250x235x14mm		Autumn Gold Doeskin Fireburst Gunmetal Rustic Sahara Sunburst Sunset Red Terracotta	
300x235x14mm			
<b>Bullnose Tile</b> 320x320x14mm		Pewter Sandstone Smoke/Pompeii	
400x300x14mm		Pompeii Maya	
<b>Coping Tile</b> 320x320x14mm		Pewter Sandstone	
400x300x14mm		Pompeii	
<b>Bullnose Paver</b> 330x330x42mm		Amalfi Pewter Sandstone Sorrento	
<b>Coping Paver</b> 330x330x42mm			



# NATURAL TERRACOTTA 400 and 320 BULLNOSE AND COPING TILES

## PRODUCT SHEET

NOTE: Colour and shade variation are inherent qualities in all fired ceramic products.



Bullnose Tiles



Coping Tiles



Middle Earth natural terracotta 400x400 mm tiles are a new concept to a traditional and proven pavement tile. Made from natural clay that is fired at high temperature, they offer an exciting new concept for outdoor pavements. The tiles are available in modern colours and are factory treated with a water resistant system.

The advantages Middle Earth terracotta Bullnose Tiles include:

- **Factory Treated** - to protect the tiles from water absorption and frost protection
- **Salt Safe** - perfect for around salt water and chlorinated swimming pools
- **Non-slip** - ideal for swimming pools and outdoor paving
- **Colourfast** - will not fade (unlike concrete will not effloresce through free lime in the cement)
- **Do not Reflect Sunlight** - tiles will not dazzle in bright sunlight
- **Long Lasting** - easy to maintain, they have no pattern or glaze to wear out

Tile Type	Tile Size	Grade	Salt Resistant	Slip Resistant	Number per Lin. metre	Kg's per tile	Tile Colours			
							Pompeii	Sandstone	Pewter	Maya
Bullnose	320x300x14mm	5	✓	✓	3	3.5				
Bullnose	400x300x14mm	5	✓	✓	2.5	4.3				
Coping	320x300x14mm	5	✓	✓	3	3.5				



NOTE: Colour and shade variation are inherent qualities in all fired ceramic products.



Middle Earth natural terracotta Sill/Pool Tiles have warm everlasting variegated colours which range from deep reds and browns to cream. They create long lasting edges which transcend fashion.

Natural terracotta tiles are 100% natural and are created by firing clay at high temperatures. They are timeless and have been in fashion for 4,000 years, they have often been copied but have never been replaced.

Advantages Middle Earth Sill/Pool tiles offer include:

- **Factory Treated** - to protect the tiles from water absorption and frost protection
- **Salt Safe** - perfect for around salt water and chlorinated swimming pools
- **Non-slip** - ideal for swimming pools and outdoor use
- **Colourfast** - will not fade with age (unlike concrete will not effloresce through free lime in the cement)
- **Do not Reflect Sunlight** - will not dazzle in bright sunlight
- **Long Lasting** - easy to maintain and are long lasting, they have no pattern or glaze to wear out

Tile Size	Grade	Salt Resistant	Slip Resistant	Kg's per tile	Tile Colours					
					Autumn Gold	Doeskin	Gunmetal	Sahara	Sunset Red	Terracotta
200x200mm Thickness 40mm	4-5	✓	✓	3						



NOTE: Colour and shade variation are inherent qualities in all fired ceramic products.



Colour: Autumn Gold

The warm everlasting variegated colours of Middle Earth natural terracotta Bullnose Tiles which range from deep reds and browns to cream and even ochre tints, combined with standard tiles or pavers, create long lasting floors and pavements which transcend fashion.

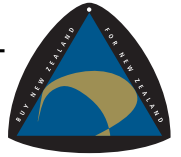
Natural terracotta tiles and pavers are timeless and have been in fashion for 4,000 years; they have often been copied but have never been replaced.

The advantages Middle Earth terracotta Bullnose Tiles include:

- **Factory Treated** - to protect the tiles from water absorption and frost protection
- **Salt Safe** - perfect for around salt water and chlorinated swimming pools
- **Non-slip** - ideal for swimming pools and outdoor paving
- **Colourfast** - will not fade (unlike concrete will not effloresce through free lime in the cement)
- **Do not Reflect Sunlight** - tiles will not dazzle in bright sunlight
- **Long Lasting** - easy to maintain, they have no pattern or glaze to wear out

Tile Size	Grade	Salt Resistant	Slip Resistant	Kg's per tile	Tile Colours									
					Autumn Gold	Doeskin	Fireburst	Gunmetal	Rustic	Sahara	Sunburst	Sunset Red	Terracotta	
300x235x14mm	4-5	✓	✓	1.7										
250x235x14mm	4-5	✓	✓	1.5										
200x235x14mm	4-5	✓	✓	1.3										

Middle Earth natural terracotta Bullnose Tiles are factory treated with a water resistant system









NOTE: Colour and shade variation are inherent qualities in all fired ceramic products.



Middle Earth natural terracotta sill tiles are 100% natural and are created by firing clay at high temperatures. They are timeless and have been in fashion for 4,000 years, they have often been copied but have never been replaced. The advantages the sill tiles offer include:

- **Factory Treated** - to protect the tiles from water absorption and frost protection
- **Salt Safe** - perfect for around salt water and chlorinated swimming pools
- **Non-slip** - ideal for swimming pools and outdoor use
- **Colourfast** - will not fade with age (unlike concrete they will not effloresce through free lime in the cement)
- **Do not Reflect Sunlight** - will not dazzle in bright sunlight
- **Long Lasting** - easy to maintain and are long lasting, no pattern or glaze to wear out

Tile Size	Grade	Salt Resistant	Slip Resistant	Kg's per tile	Tiles per pack	Tile Colours					
						Autumn Gold	Fireburst	Gunmetal	Sahara	Sunset Red	Terracotta
230x150mm Thickness 20mm	4-5	✓	✓	2	10						

NOTE: Colour and shade variation are inherent qualities in all fired ceramic products.



**Middle Earth Natural Clay Pavers offer:**

**High Strength** - with a "tile quality" surface

**Suitable for driveways** - as well as paths and swimming pools

**Do not Reflect Sunlight** - will not dazzle in sunlight

**Long Lasting** - easy to maintain and have no pattern or glaze to wear out

**Coverage:** 9 pavers per square metre

**Factory Treated** - to protect the pavers from water absorption and frost protection

**Colourfast** - will not fade with age (unlike concrete, will not effloresce through free lime in the cement)

**Easily Installed** - can be installed on a sand/metal fines base

**Weight:** 68 kgs per square metre

**Colours**



**Pewter**



**Sandstone**



**Sorrento**



**Amalfi**



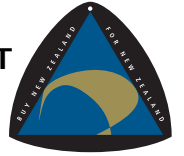
**Plain Paver - 330X330X42MM**



**Bullnose - 330X330X42MM**



**Coping - 330X330X42MM**



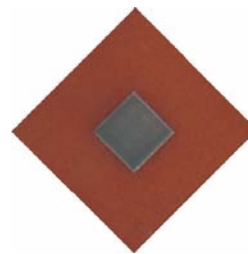
NOTE: Colour and shade variation are inherent qualities in all fired ceramic products.



**Middle Earth Glazed  
Tile Inserts**  
Size 150x150x10mm

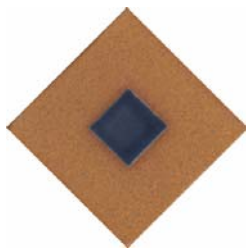


PROVENCE BLUE INSERT

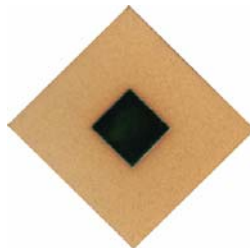


SHADOW INSERT

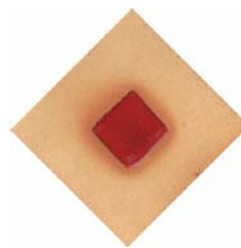
**Selection Process:**  
Choose the colour of  
insert to be glazed on  
the tile,  
Tile colours are:  
Sahara  
Terracotta  
white



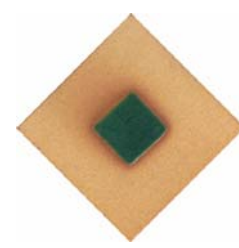
DENIM INSERT



COROMANDEL GREEN  
INSERT



JASPER RED INSERT



JADE INSERT

Available with matching hand crafted plain unglazed tiles in 150x150x10mm formats.



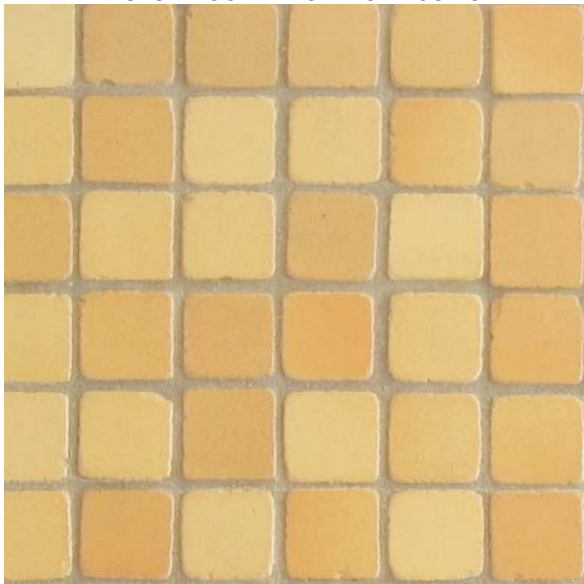
NOTE: Colour and shade variation are inherent qualities in all fired ceramic products.



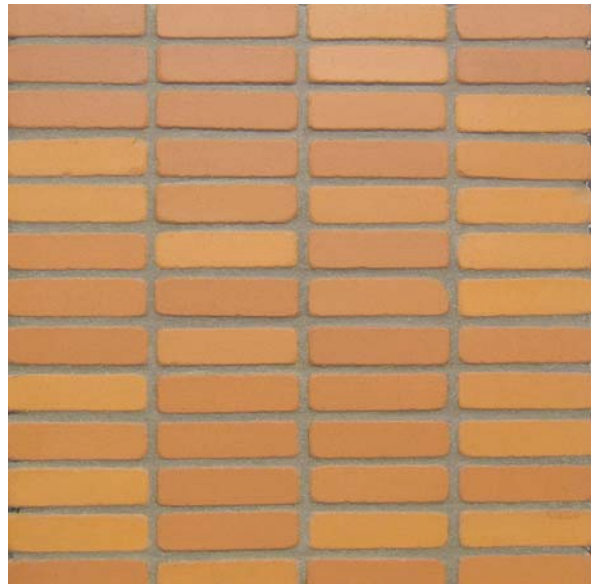
**AUTUMN GOLD ABSTRACT MOSAIC**



**TERRACOTTA BARCODE MOSAIC**



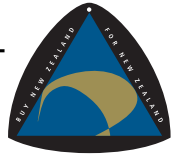
**AUTUMN GOLD SQUARE MOSAIC**



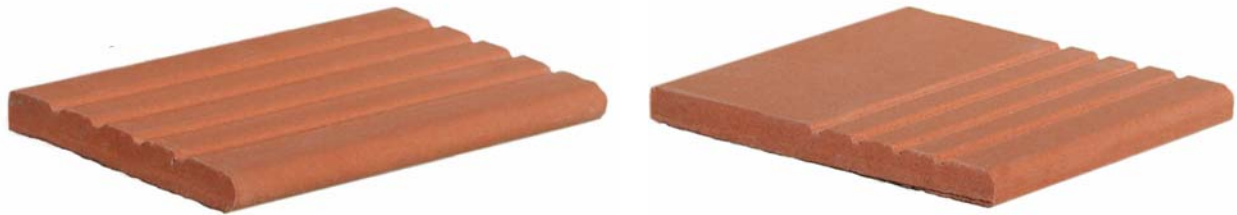
**TERRACOTTA LISTELLO MOSAIC**

Terracotta Mosaic sheets offer an exciting new concept in tiling. The tiles are hand cut before being tumbled to round off the sharp corners. The sheets give unlimited possibilities in laying patterns and styles and can be used complete or the sheets trimmed to be used as features.

Sheet Size	Grade	Salt Resistant	Slip Resistant	Kg's per m <sup>2</sup>	Autumn Gold	Doeskin	Fireburst	Gunmetal	Rustic	Sahara	Sunburst	Sunset Red	Terracotta
300x300x14mm	4-5	✓	✓	25 KG									



NOTE: Colour and shade variation are inherent qualities in all fired ceramic products.



Middle Earth Terracotta Step Tread tiles create long lasting slip resistant edges which transcend fashion. The advantages Middle Earth Step Tread tiles offer include:

**Factory Treated** - to protect the tiles from water absorption and frost protection










**Salt Safe** - perfect for around salt water and chlorinated swimming pools

**Non-slip** - ideal for outdoor use

**Colourfast** - will not fade with age (unlike concrete will not effloresce through free lime in the cement)

**Do not reflect Sunlight** - will not dazzle in bright sunlight

**Long Lasting** - easy to maintain, they have no pattern or glaze to wear out

Tile Sizes	Grade	Salt Resistant	Slip Resistant	Kg's per tile	Tiles per pack	Tile Colours	
						Sunset Red	Terracotta
200x100x12mm	4-5	✓	✓	.5	10		
250x100x12mm	4-5	✓	✓	.6	10		
300x100x12mm	4-5	✓	✓	.8	10		
150x150x12mm	4-5	✓	✓	.5	10		
300x200x12mm	4-5	✓	✓	.5	10		

NOTE: Colour and shade variation are inherent qualities in all ceramic products.

**What are Terracotta tiles?**

Unglazed fired clay tiles are often called Terracotta tiles, which literally mean, "baked clay" or "burnt earth." Terracotta may also refer to brownish-orange colors.

**What is the history of Terracotta tiles?**

Fired clay or Terracotta tiles are a material, which has been in use for thousands of years and offers a functional and highly practical form of wall and floor coverings. They had their origin as many as 4,000 years ago in ancient Egypt. They exploded into the Western world during the Middle Ages – rust-colored tiles were quite popular in the ancient monasteries in England, while artisans in Spain and Portugal added a colorful touch by hand-painting the tiles in bright colors to suit their sunny climate.

**Is there a difference between Quarry and Terracotta tiles?**

Quarry tiles and Terracotta tiles are basically the same thing (quarry meaning "square" from the French term *quarre*).

**How are Terracotta tiles manufactured?**

The clay used for making Middle Earth tiles is extracted from open sites in Warkworth and Matakana. After being removed and aged the clays are combined and water added to become a paste. The clay paste is then passed through a vacuum chamber (to eliminate the air, which can be responsible for breakage during the firing) and extruded through a die.

The clay is cut into tiles which are dried in drier before being fired in a gas kiln. The kiln firing creates the metamorphosis where sticky clay becomes a beautiful floor that is so long lasting. After kiln firing the tiles are Factory Treated by dipping the tiles in a special silicone solution and then kiln dried.

**Some Terracotta tiles are called Natural Terracotta, why?**

In the production of Middle Earth Terracotta tiles, clay is fired in kilns, with nothing added but water. The different hues of the tiles come naturally from the colours of the clay and firing temperatures and techniques, not from chemical additives. These are natural terracotta tiles and the colour is all through the tile.

This Terracotta colour is ageless and often replicated in pressed glazed tiles where the colour is painted onto the tiles. These imitation colours are not Natural Terracotta tiles.

**How are Middle Earth Terracotta tiles coloured?**

The colour of Middle Earth Terracotta tiles is created in three ways:

1. Colour of the clay
2. Firing temperature, tile placement in the kiln and flashing
3. Adding a colouring oxide to the clay mix

*Colour of the Clay* - Middle Earth tiles are made from two clay colours. These are buff coloured clay and a red clay. The yellow/ochre colour is due mainly to the blend of clays which are combined in various proportions to create the unique Middle Earth colours.

*Firing temperature, Tile placement in the Kiln and Reduction Firing* - Firing temperature is critical in the developing of the tile colours. As a rule of thumb, the darker the colour the higher temperature the tile is fired. The characteristic flash or flame marks occur if two tiles touch, are fired close together or by reducing the air intake to the gas burners in the kiln, this lets the flame "burn" the tiles to create the unique flashing colours.

*Adding a Colouring Oxide to the Clay Mix* - The colour of Middle Earth Gunmetal and Doeskin coloured tiles, is created by adding an oxide to the clay in the mixing process. The oxide is thoroughly mixed into the clay creating a homogenous colour all through the tile.

**Are Middle Earth Terracotta tiles slippery to walk on?**

Generally, glazed tiles are suitable for indoors but can be slippery when wet. However, Middle Earth Terracotta Tiles are ideal for wet areas, outdoors, indoor formal / informal areas, steps etc. or where you require a good grip surface.

**Can Middle Earth Terracotta tiles scratch?**

It is possible, if a harder material than the tile is forcibly sheered across their surface, but this is unlikely to occur in most domestic circumstances.

<b>What are the benefits of Terracotta Tiles?</b>	<p>The warm everlasting variegated colours of terracotta tiles, which can range from deep reds and browns through to cream and even ochre tints creates a long lasting floor, which transcends fashion. With softened, irregular edges, the pleasing surface texture and the flamed colour tones terracotta tiles bring back the welcoming atmosphere of country floors. With wear Terracotta tiles, achieve a style, which improves their overall appearance.</p> <p>Other important features are:</p> <ul style="list-style-type: none"> <li>• They are non-slip and the perfect tile for outdoor paving</li> <li>• They are perfect for under-floor heating, acting as a heat soak retaining heat remarkably well</li> <li>• Used outside they will not dazzle you in bright sunlight</li> <li>• They are easy to maintain</li> <li>• Terracotta tiles last a long time, since they have no pattern or glaze to wear out.</li> <li>• They are timeless and have been in fashion for 4,000 years. Often copied but never replaced</li> </ul>
<b>What is the difference between Middle Earth Terracotta tiles and Mexican tiles?</b>	<p>Mexican Tiles are mainly made from very wet clay and then often laid out on paper to dry in the sun. For firing, old car tires have been known to be used as fuel. Because of low firing temperature, Mexican terracotta is often relatively soft and porous and may not be suitable for use outdoors.</p>
<b>Do Terracotta tiles stain?</b>	<p>Most unglazed surfaces can stain, because Middle Earth Terracotta tiles are Factory Treated, staining is minimal and can be generally avoided if wiped quickly. If a stain does persist, there are several proprietary brand stain removers available. Stains may also be cleaned with vinegar or alternatively a paste of mineral turps and lime left on overnight will usually remove the mark.</p>
<b>Can vehicles be driven over Terracotta tiles?</b>	<p>Terracotta tiles have enormous strength and can take the weight of a vehicle, if they are correctly bedded to a firm concrete base.</p>
<b>How wide should the gaps be between the tiles when installed?</b>	<p>The joints between the tiles can add or subtract from the appearance of the floor. If they are too wide, they can overpower the tile, which in some cases might be good. If you want an old world look, use a thick wide grout filling between the terracotta tiles. On the other hand, if the tile is what you want to emphasize, the grout should be minimal. Normally to allow for any slight size variations, it is recommended that terracotta tiles be laid with 8 to 10 mm joints.</p>
<b>Are expansion joints necessary?</b>	<p>All ceramic products have a tendency to "grow" and although this is usually very minute (a fraction of a percent) allowance should be made in large installations for expansion joints. For further information refer to BRANZ Publication "Good Tiling Practice".</p>
<b>Will Middle Earth Terracotta tiles chip or break if something is dropped on them?</b>	<p>Under normal circumstances, if Terracotta tiles are properly fixed to a firm base, they are almost indestructible. Exposed edges of Terracotta tiles can chip if struck by hard sharp objects, but if flush grouted they are practically chip resistant.</p>
<b>Should Terracotta tiles be sealed?</b>	<p>Factory Treated Middle Earth tiles are noted for their low maintenance.</p> <p><b>Outside Installation</b> - Normally if installed outside no further sealing is required, although it is suggested as with all tile installations, the grout joints are sealed. If, however, the area to be tiled is subjected to extreme freezing, dirty conditions or spilling of oils, a further sealing of the entire tiled area with a penetrating sealer may be required.</p> <p><b>Internal Installation</b> - A further sealer or wax may be applied depending on the final surface required (shiny or matt). However if the tiles are to be exposed to oils or oily foods we recommend the tiles be further sealed with a penetrating sealer.</p>
<b>Can the tiles be laid on sand?</b>	<p>No. Unlike bricks and pavers, terracotta tiles must be fixed to a firm base.</p>

*(For further information see Middle Earth Product Sheet - Sealing and Maintaining Terracotta Tiles)*



## SEALING and MAINTAINING TERRACOTTA TILES

## INFORMATION SHEET

NOTE: Colour and shade variation are inherent qualities in all ceramic products.

### Pre-sealing

Except for Cobble Tiles, all Middle Earth Terracotta Tiles are Factory Treated with an aqueous solution of silicate. The tiles develop their water repellent properties by reaction with atmospheric carbon dioxide.; no further pre-sealing should be required.

### What are the benefits of Pre-sealing?

- Very low water absorption. However in extreme conditions any cut edges should be sealed
- Safe from water marking "window framing" when they are grouted, or the ingress of salt from some bedding mixtures
- Salt safe—suitable for salt water swimming pools
- Frost resistant—can be used outside in cold conditions
- Easy to clean after grouting
- Low maintenance—make cleaning easy, using normal cleaning agents

### What other sealing is required?

**Outside Installation** - Normally no further sealing is required, although it is suggested as with all tile installations, the grout joints are sealed with a penetrating sealer. If, however, the area to be tiled is subjected to extreme freezing, dirty conditions or spilling of oils, a further sealing of the tiles with a spirit based penetrating sealer may be required.

**Internal Installation** - A further sealer or wax may be applied depending on the final surface required (shiny or matt). However if the tiles are to be exposed to oils or oily foods we recommend the tiles be sealed with a spirit based penetrating sealer before applying a wax finish.

### What is a penetrating sealer?

A good penetrating sealer does not alter the appearance of the tiles or grout, yet forms an invisible barrier that repels water and stains. It passes water vapor and will not trap moisture inside the body of the tile. Apply after the grout has damp-cured, a minimum of three days.

### What are the other sealer options?

**Traditional** - The traditional method of sealing terracotta tiles is to apply a coat of boiled linseed oil; this darkens and seals the tiles. The tiles are then buffed using Beeswax or a good quality floor wax. This will give a "tone down" appearance and provides the look of a mature surface after buffing.

**The Synthetic System** - Once the adhesive and grout are cured, synthetic wax finishes can be applied providing a shiny or a matt finish depending on the final surface required.

### Maintenance for Both Systems

As proven over hundreds of years, with wear, Terracotta tiles achieve a style, which improves their overall appearance. For outside installations normal cleaning methods can be used.

It is important to maintain sealed Terracotta tiles with pH neutral cleaners (cleaners that do not contain acid or bleach). Acidic cleaners may affect the sealant's capabilities and longevity.

### Sealer recommendation

There are a number of proprietary sealers and waxes available. Middle Earth recommends Fila products. For further information on Fila Sealers see Middle Earth Product Sheets - Fila Treatment for Tiles

### IMPORTANT

Always test a small area first before applying any sealers

**Preparation**

All Middle Earth natural unglazed tiles (except cobble tiles) are pre-sealed at the factory with an aqueous solution of silicate. After dipping in the solution the tiles develop their water repellent properties by reaction with atmospheric carbon dioxide. The tiles require no further sealing or treatment when they are being installed.

**Cleaning after Tile Laying**

This operation is of fundamental importance to guarantee effective floor protection and make it easier to care for in the future. The initial cleaning process removes -

- residues left by the laying process
- building-site dirt and surface waste
- any saline efflorescence.

For cleaning use Fila Deterdek, an acid-reaction detergent, that does not generate harmful fumes.

**Fila Deterdek**

*Manufacturers Coverage:  
one litre for 20m<sup>2</sup> -  
Dilution 1:5*

- Sweep the floor thoroughly and wet it with water
- Apply Deterdek diluted to suit the level of dirt
- Leave to act for a few minutes
- Use a long handled floor cleaning brush or single-disc professional cleaner with green disc
- Remove the residue with a vacuum drier or a rag
- Rinse thoroughly.

**Treatment**

Middle Earth terracotta tiles are treated to protect it against water, stains and salt efflorescence. However during the installation the tile adhesive and/or grout may remove some of the water proofing properties. For further protection Middle Earth recommends Fila ES/82. Fila ES/82 creates an in-depth barrier that prevents water absorption without changing its original surface color and appearance as well as protecting against the appearance of efflorescence in tiles that have not been pre-sealed.

**Fila ES/82**

*Manufacturers Coverage:  
one litre for 10 + m<sup>2</sup>*

Product must be used undiluted

- When the floor is perfectly dry (7/15 days after cleaning) apply Fila ES/82 with a large brush or waxing fleece (for large areas a airless pump can be used)
- Ensure there is a even distribution of the sealer including soaking the joints
- Wait for 24 hours before applying another coat

**Oily Dirt Protection**

For a water and oil-repellent protection that protects the terracotta against oily dirt and waterproofs its surface without changing its original surface color and appearance, use FilaFob. This treatment is especially suitable for outdoor terracotta paving in areas where people eat or cook, or where cars are parked.

Fila ES/82 creates an in-depth barrier that prevents water absorption and the appearance of efflorescence, while FilaFob protects absorbent surfaces against oily dirt.

## FILA TREATMENT FOR TERRACOTTA TILES (OUTDOORS)



**Fila FOB**

*Manufacturers Coverage:  
one litre for 20 + per m2*

Products must be used undiluted

- When the floor is perfectly dry (7/15 days after cleaning) apply Fila ES/82 with a large brush or waxing fleece
- Wait for 24 hours
- Apply one coat of FilaFob with a large brush or waxing fleece

### Wet Look Finish

For a "Wet Look" tonal finish with effective protection against dirt and penetrating stains apply Fila Tone-Up.



**Fila Tone-Up**

*Manufacturers Coverage: 3  
to 15 litres for 100 m2  
depending on absorbency*

- Can be applied a few days after initial cleaning
- Shake Fila Tone-Up before use and apply on a perfectly clean floor
- Where requires apply a second coat four hours after first coat.
- Clean with Fila Floor Detergent

### Maintenance

Routine floor care removes dirt, wipes away footprints and reinforces the protective layer in case of wear. It should be carried out regularly and it is essential to use methods and products that will not reduce the protection provided by the initial treatment. **Do not** use strong detergents. Fila Cleaner has certified by the Bologna Ceramic Centre that it has an effective cleaning action that does not damage the surface. It is applied diluted depending on the level of dirt. When highly diluted, it does not need rinsing.



**Fila Floor Detergent**

*Manufacturers Coverage:  
one litre for 1500 m2 at  
Dilution: 1:200*

- Sweep the paving thoroughly
- Dilute in water depending on the level of dirt and apply to the surface.
- Wring out the rag and rinse it in the detergent solution often
- Rinse thoroughly.

In case of stubborn dirt, use of Fila PS/87

- Apply Fila PS/87 diluted 1:5 over the entire surface, including the grouts.
- Leave to act for a few minutes then clean with a single-disc professional cleaner with green disc or floor cleaning brush. Rinse.

**Preparation**

Middle Earth Natural Unglazed tiles are pre-sealed at the factory with an aqueous solution of silicate. After dipping the tiles develop their water repellent properties by reaction with atmospheric carbon dioxide. The tiles require no further sealing or treatment when they are being installed.

**Cleaning after Tile Laying**

This is of fundamental importance to guarantee effective floor protection and make it easier to care for in the future. The initial cleaning process removes -

- residues left by the laying process
- building-site dirt and surface waste
- any saline efflorescence.

For cleaning use Fila Deterdek, an acid-reaction detergent, that does not generate harmful fumes.

**Fila Deterdek**

*Manufacturers Coverage:  
one litre for 20m<sup>2</sup> - Dilution  
1:5*

- Sweep the floor thoroughly and wet it with water
- Apply Deterdek diluted to suit the level of dirt
- Leave to act for a few minutes
- Use a long handled floor cleaning brush or single-disc professional cleaner with green disc
- Remove the residue with a vacuum drier or a rag
- Rinse thoroughly.

**Treatment**

Treatment is the procedure which protects the floor and leaves it easy to care for. Treatment comprises 3 fundamental steps:

**Sealing**

Use Fila ES/82 as the penetrating base sealant. It is a breathable protection that creates an in-depth barrier that prevents water absorption and the appearance of efflorescence. It is also useful because it helps ensure uniform absorption of the treatment products used in the later steps.

**Fila ES/82**

*Manufacturers Coverage:  
one litre for 10 + m<sup>2</sup>*

- When the floor is perfectly dry (7/15 days after cleaning) apply Fila ES/82 with a large brush or waxing fleece (for large areas a airless pump can be used)
- Ensure there is a even distribution of the sealer including soaking the joints
- Wait for 24 hours before applying next sealing coat

**Protection**

The fundamental purpose of the protection process is to create a barrier to prevent the floor from becoming dirty, and enhance the material's appearance. For this function it is important to use a solid wax such as Fila Naturwax. It is available in a variety of colors: neutral, yellow and brown.

## FILA WAX-BASED TREATMENT FOR TERRACOTTA TILES (INDOORS)



### Fila Naturwax

*Manufacturers Coverage:  
one litre for 20 + per m<sup>2</sup>*

- Apply Fila Naturwax using an ordinary synthetic bath sponge, a rag or flat brush and polished with a woolen cloth or polisher
- Can also be applied with a single-disc professional polisher equipped with heater and vegetable bristle disc
- After 8 hours, apply a second coat
- After 4 hours, polish with a woolen cloth or polisher.

### Finishing

The final stage in the treatment of terracotta is application of a liquid finishing wax that provides a specific surface effect (matt, satiny and gloss) and also adds to the protection provided by the paste wax.



### Fila Matt

*Manufacturers Coverage:  
one litre for 30 per m<sup>2</sup>*

#### Fila Matt for a matt effect.

- Apply the product with a rag or fleece
- Wait for it to dry (about one hour) then apply second coat at right angle to the first coat
- Wait for one hour before walking over the floor.
- The floor can be polished if desired giving a slight increase in gloss



### Fila Satin Look Wax

*Manufacturers Coverage:  
one litre for 30 per m<sup>2</sup>*

#### Fila Satin for a satiny effect.

- Apply the product with a rag or fleece
- Wait for it to dry (about one hour) then apply second coat at right angle to the first coat
- Wait for one hour before walking over the floor.
- If a glossier finish is required, polish with a floor polisher

Note: Fila Satin was previously call Klinwax



### Fila LongLife Wax

*Manufacturers Coverage:  
one litre for 30 per m<sup>2</sup>*

#### Fila LongLife for a gloss effect.

- Apply the product with a rag or fleece
- Wait for it to dry (about one hour) then apply second coat at right angle to the first coat
- Wait for one hour before walking over the floor.
- The floor is self shining with no need to polish.

### Protection of Textured or Rough-Finished Surfaces

For the protection from dirt deposits Fila Jet creates a protective film on the surface. It gives a polished high gloss effect without polishing.

## FILA WAX-BASED TREATMENT FOR TERRACOTTA TILES (INDOORS)



### Fila Jet Wax

*Manufacturers Coverage:  
one litre for 30 per m<sup>2</sup>*

#### Fila Jet for textured surfaces.

- Apply undiluted with a cloth
- Wait for it to dry (about one hour) then apply second coat at right angle to the first coat
- Wait for one hour before walking over the floor.
- The floor is self shining with no need to polish.

Caution - do not walk over floor while drying and do not apply more sealer to areas that are still wet.

### Maintenance

Routine floor care removes dirt, wipes away footprints and reinforces the protective layer in case of wear. It should be carried out regularly and it is essential to use methods and products that will not reduce the protection provided by the initial treatment. **Do not** use strong detergents.



### Fila Floor Detergent

*Manufacturers Coverage:  
one litre for 1500 m<sup>2</sup> at  
Dilution: 1:200*

Fila Cleaner has certified by the Bologna Ceramic Centre that it has an effective cleaning action that does not damage the surface. It is applied diluted depending on the level of dirt. When highly diluted, it does not need rinsing.

### Restoring the wax coating

To restore the wax coating, use a diluted liquid wax, depending on the finish required.

- FilaLongLife: for a gloss effect
- FilaSatin: for a satiny effect
- FilaMatt: for a matt effect

It is important to carry out this operation periodically to keep the treatment in prime condition. Simply add 2-3 capfuls of the liquid wax in a bucket of water. Then wipe over the floor with a long handled brush or cloth.

### Extraordinary care procedure to remove old layers of wax

The extraordinary care procedure is only performed in special cases, when the original treatment has been seriously damaged or is very old, or if treatment or care procedures have not been carried out properly. In these cases, old treatments or old coats of care wax have to be removed and then restored.

This operation is carried out using Fila PS/87



### Fila PS/87

*Manufacturers Coverage:  
Coverage: 20 m<sup>2</sup>  
Dilution 1:5*

- Apply Fila PS/87 diluted 1:5 a few metres at a time
- Leave to act for a few minutes
- Clean the floor with a cloth or a single-disc cleaner with green disc or floor cleaning brush
- Remove the residue with a rag or a vacuum drier and then rinse with plenty of water

**Detergents and Stain Removers for Cleaning Surfaces**



**Fila Deterdek**

A concentrated acid, does not give off noxious fumes. It removes post-laying grime and highly diluted, is a strong detergent for intensive cleaning of exterior paving.

1 litre can treat:

- 20 m<sup>2</sup> of Terracotta
- 30 m<sup>2</sup> of Porcelain
- 20/30 m<sup>2</sup> of Stone



**Fila Cleaner**

A cleaner for the routine cleaning of all types of floors, suitable for cleaning surfaces vulnerable to strong detergents. Can be used on a wide range of floors including terracotta, natural stone and porcelain tiles

Dilute depending on the strength of cleaning required.



**Fila PS/87**

A powerful degreasing cleaner, can be (used depending on dilution), for routine care on porcelain tiles, unpolished stone, cement and terracotta tiles.

It is a powerful stain remover for porcelain tiles and for deep cleaning natural stone floors. Used for removing water based wax polishes from terracotta, marble, natural stone and porcelain stone ware.

Coverage depends on the application and dilution. 1 litre will:

- Clean 30 m<sup>2</sup> stone or 50 m<sup>2</sup> of porcelain.
- Remove wax from 20 m<sup>2</sup> of terracotta or stone



**Fila NoSpot**

No spot is a stain remover for terracotta and natural stone. It has been developed for effective removal of oily or greasy stains on highly absorbent ceramics surfaces which are difficult to remove with normal maintenance procedures.

1 spray can is sufficient for approximately 10 – 15 stain removal operations



**Fila Fuganet**

A fast-acting detergent that quickly cleans tile joints. Its formula does not attack enamel or marble.

NOTE: Does not contain sodium hypochloride (bleach) that can ruin joints and glaze.

Quantity depends on type of dirt and type of surface to be cleaned

**Protection of Surfaces**



**Fila ES/82**

A solvent based penetrating sealer, particularly suitable as a priming coat for terracotta flooring.

ES/82 can be used as a protection coat resisting mould on terracotta pots and any other terracotta objects.

1 litre can treat 10 – 20 m<sup>2</sup> of Terracotta depending on the porosity of the tiles



**Fila FOB**

Protects against oil and grease stains for terracotta tiles, stone, marble, granite and terrazzo floors. FilaFob prevents dirt from penetrating "crackle" glazed flooring. It will not affect the colour of the floor.

1 litre can treat:

- 10 m<sup>2</sup> of Terracotta
- 20/30 m<sup>2</sup> of Stone



**Fila HP98**

Water based waterproofing liquid for protecting outdoors for stone and terracotta paving. Dries without forming a surface film and provides deep-seated protection.

5 - 10 litres per 100 m<sup>2</sup> depending on the absorbency of material being coated



**Fila ToneUp**

Water based water and oil repellent protection for natural stone and terracotta paving laid outside. Gives the surface an attractive tonality accompanied by effective protection against dirt/penetrating stains.

3 - 15 litres per 100 m<sup>2</sup> depending on the absorbency of material being coated



**Fungaproof**

A water based waterproofing agent that protects tile joints against the absorption of stains, particularly fatty substances such as oils and food fats and facilitating dirt removal.

Does not alter the physical appearance or colour of the joints.

One litre will protect approximately 300 m<sup>2</sup> surface area of 300x300 sized tiles.

### **Waxes and Surface Finishes**



**Fila Naturwax**

Fila Naturwax is a solid wax which forms a barrier against dirt and to increase the charm and beauty of terracotta tile floors. Not for outside use.

1 litre can treat 20 + m<sup>2</sup> of Tiles

Is available in three colours : Natural (colourless), Blonde (yellow) and Tan (brown)



**Fila Matt**

Used to protect and highlight the floors natural appearance. Matt Wax can be used on Terracotta, antiqued marble and natural stone. Not for outside use.

2 - 3 litres for 100 m<sup>2</sup> depending on type of floor



**Fila Satin  
Look Wax**

A self-shining wax that is ideal for treating and maintaining terracotta tiles and stone-ware. Satin Look Wax (previously called Klin Wax) may be applied directly, but best results effect when used with the Fila Naturwax System. Not for outside use.

1 litre can treat 35 + m<sup>2</sup> of Terracotta Tiles



**Fila LongLife  
Wax**

A self-shining wax that protects terracotta tiles and natural stone floors against dirt and wear, gives a pleasant "wet-effect". Not for outside use.

1 litre can treat 50 + m<sup>2</sup> of  
Terracotta Tiles



**Fila Jet Wax**

Fila Jet protects natural and textured stoneware, terracotta and natural stone from dirt deposits and foot traffic wear by creating a protective film on the surface.

Creates a high gloss effect without polishing.

1 litre can treat:

- 30 m<sup>2</sup> of Terracotta
- 30/40 m<sup>2</sup> of  
Porcelain/Stoneware

