

# Alfresco Floors Hard Landscaping, Made Easy...

## Data Sheet: The 'AirScape' Porcelain Tiles and Pedestal System



20mm Slip Resistant Porcelain Tiles  
on Buzon Height Adjustable Pedestals

*Fire-Proof*  
*Fade-Proof*  
*Stain Resistant*  
*Frost Resistant*  
*Scratch Resistant*  
*Dimensionally Exact*  
*Tougher than Timber*  
*Stronger than Stone*  
*Chemical Spill Resistant*  
*Mould & Algae Resistant*  
*No Sealing, Easy Cleaning*  
*Thermal Movement Resistant*  
*Huge Range of Colours & Sizes*

## The AirScape Porcelain Paving System



**The porcelain tiles require no grouting and are removeable at any time. Rain drains between each tile onto the waterproofing below. Pedestals create space underneath to run and hide cables and pipes.**

20mm thick porcelain is the tiling industry's response to the increasing dominance of rail and pedestal based 'raised floor' installations. Traditionally, porcelain was always made in smooth 10mm tiles exclusively for use indoors, but porcelain is actually the perfect material for exterior applications and it was only a question of time before the ceramic factories in Italy came up with a product specifically designed for life outdoors.

Porcelain tiles are currently the closest material you will find to a 'maintenance free' surface. They require no time consuming chemical surface treatments and, even after potentially years of neglect, they will normally jet-wash back to the exact colour and pristine cleanliness as the day they were installed. Porcelain is extremely resistant to frost, stains, scratches, mould, moss, and chemical spills. Porcelain tiles are colour fast, they have negligible thermal movement, and they are so dimensionally consistent that we can quickly cover very large areas with mm accuracy from end to end.

At 20mm thick, exterior porcelain tiles are much tougher than timber and (weight for weight) significantly stronger than stone. 20mm porcelain weighs around 50Kgs per SqM – just one third the weight of the equivalent strength stone slabs or concrete pavers. With supports placed at the recommended 600mm centres, a 20mm piece of porcelain will take loadings of around 1,000 Kgs in the middle of each tile, and because all 20mm porcelain tiles are specifically manufactured for use outdoors, they all have slip resistant surfaces of around R11 or >40 PTV.

# Alfresco Floors

20mm Tile Sizes

600x1200

200x1200

400x1200

500x1000

900x900

400x800

600x600

450x900

200x1200, 300x1200, 400x800, 400x1200  
 450x900, 500x1000, 600x600, 600x1200, 900x900  
 (no design comes in every size, check with us for details  
 email [info@alfrescofloors.co.uk](mailto:info@alfrescofloors.co.uk) or call 020 8977 0904)

The AirScape system from Alfresco floors consists a substantial selection of different 20mm tile designs and sizes, all normally installed onto Buzon Alu-Rails or pedestals.

Because our 20mm tiles come in exact and consistent dimensions there is no size sorting required on site. Unlike natural stone, 20mm porcelain comes straight out of the box and goes straight onto the support system, making it a much more time efficient option, with millimetre accurate final results. With build-up heights from under 35mm to over 1,500mm, the AirScape system can be used for anything from small, shallow balconies to enormous roof terraces, where the paving needs to span across

large pipes or ducting. AirScape is a grout free system, the tiles are removable at any point after installation and rainwater simply runs off through the gaps around the edges of each tile to drain away on the surface below. As a result it's also a very effective solution for ground level installations, where the exterior floor is designed to meet flush with a door threshold – without the need for any visible drain between the two. (In these instances, should your project require internal tiles to allow the external 20mm surface to flow indoors, most of our tiles have matching 10mm options.)

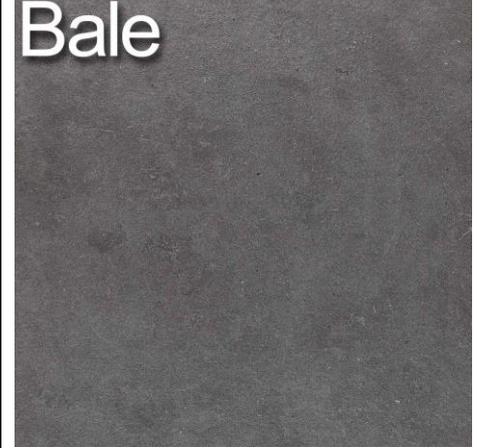


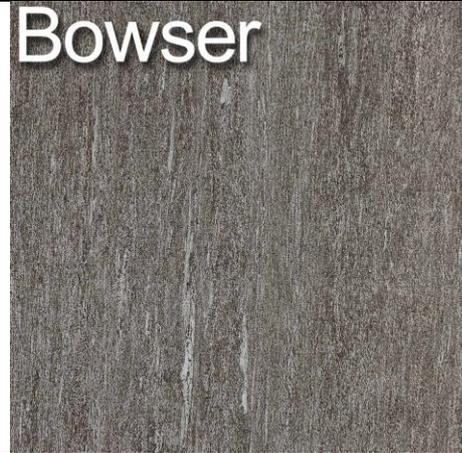
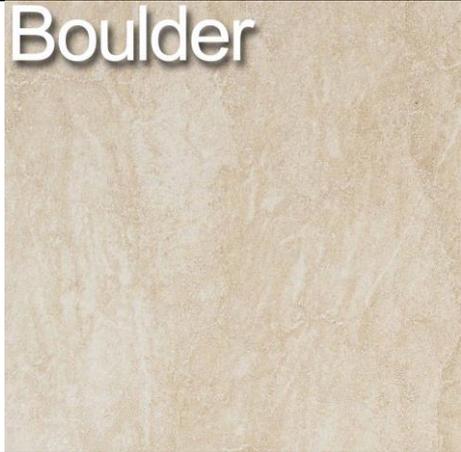
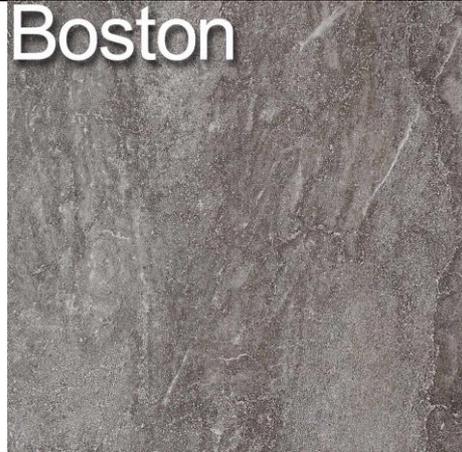
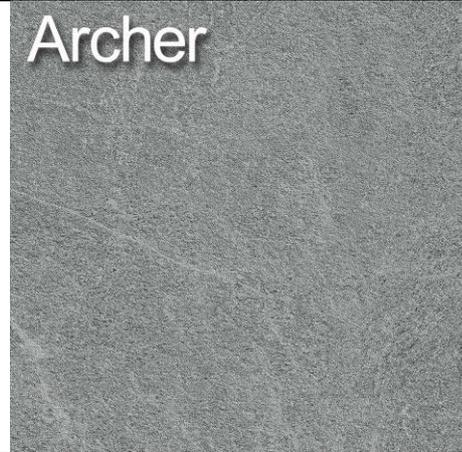
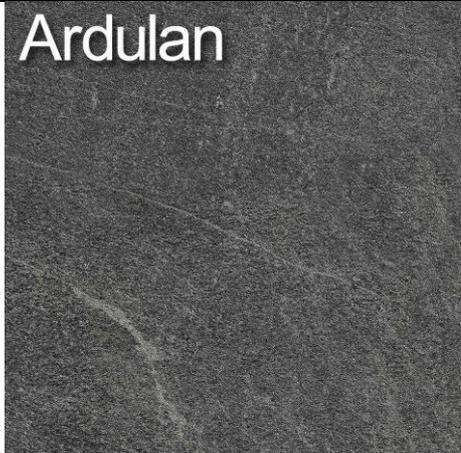
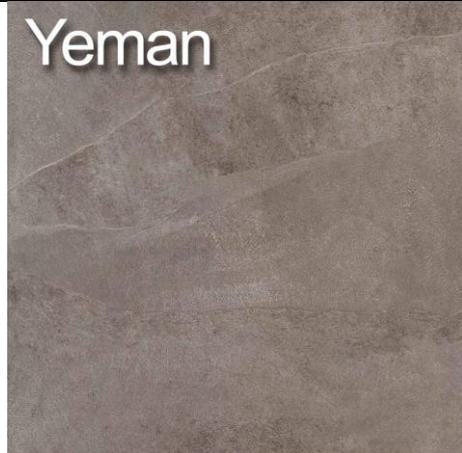
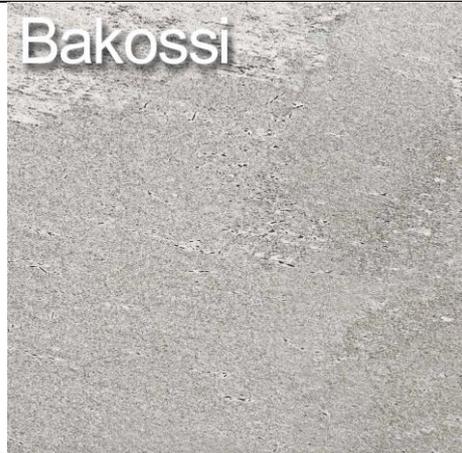
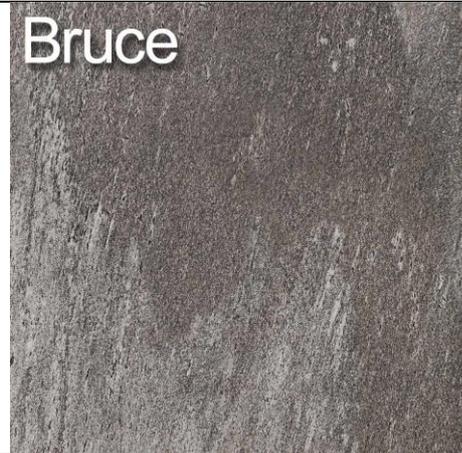
**We supplied and installed around 4,000 SqM of AirScape porcelain at The Hammersmith Novotel in London. A mix of 600x600mm & 600x1200mm tiles were installed on both pedestals & Alu-Rails.**

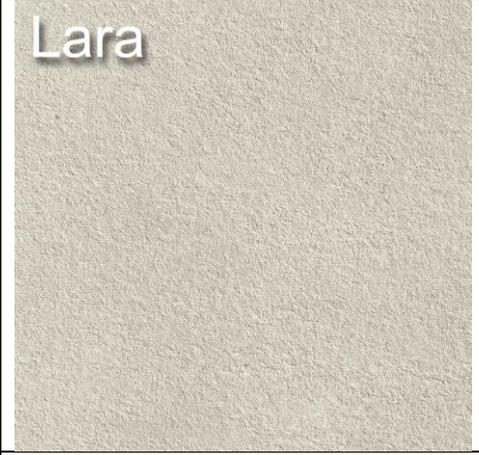
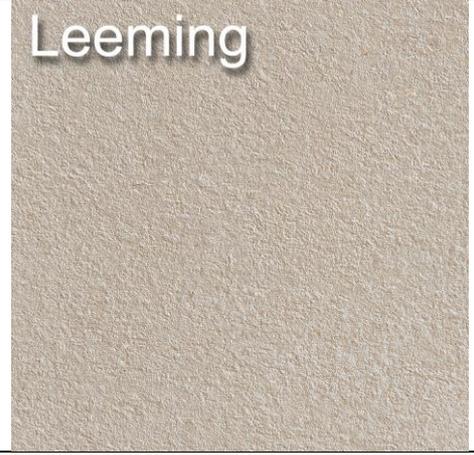
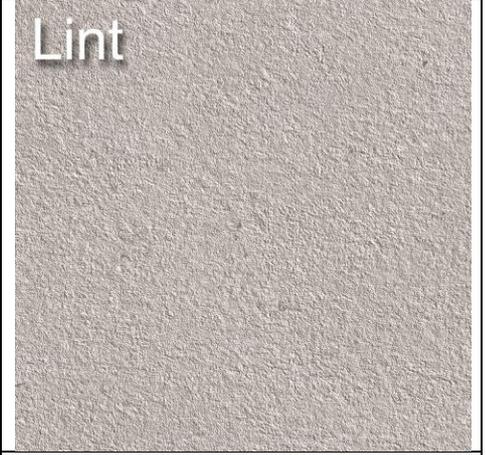
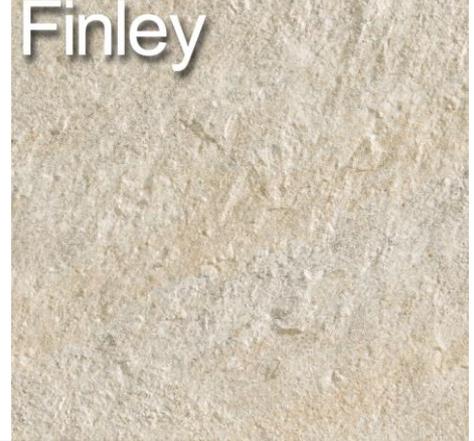
In addition to supplying and installing all the tiles and supports, Alfresco Floors will provide technical consultancy and information at every stage of specifying our AirScape system. We can also advise and assist with more elaborate installations like steps, pool surrounds, curved layouts or complex commercial AluRail requirements.

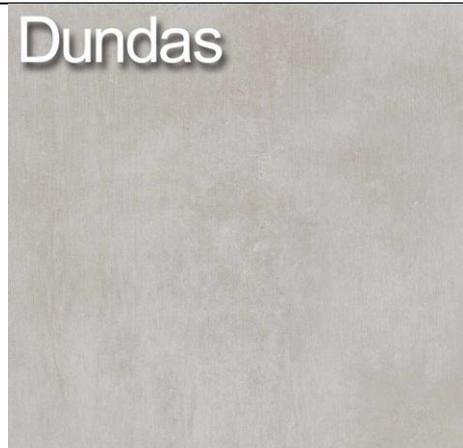
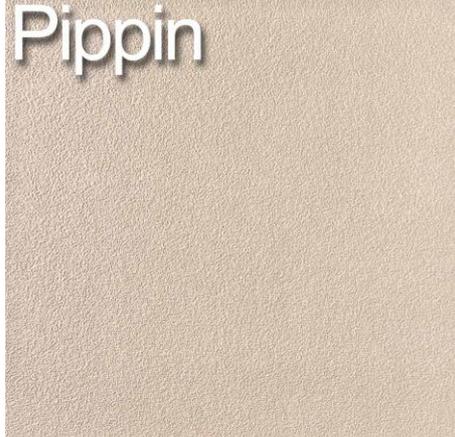
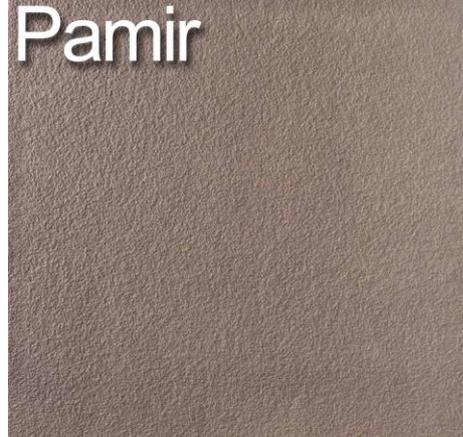
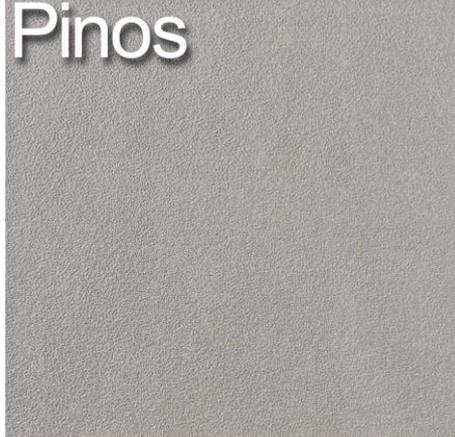
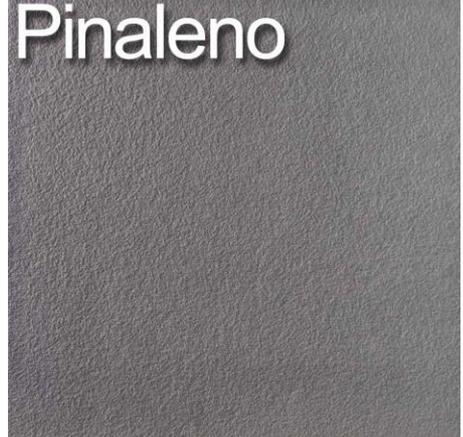
It is our experience that – when you factor in material costs, installation time, aesthetics, accuracy, resilience and ongoing maintenance – a raised 20mm porcelain floor is the most economic solution to almost every flat roof and balcony requirement.

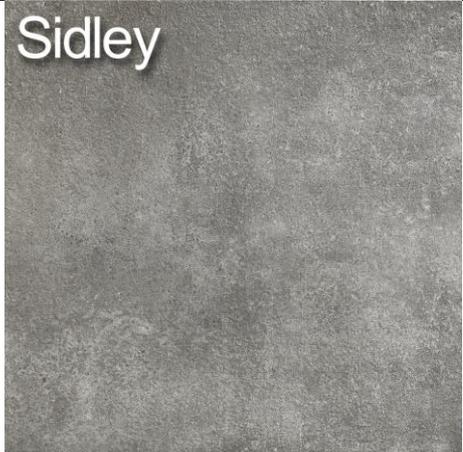
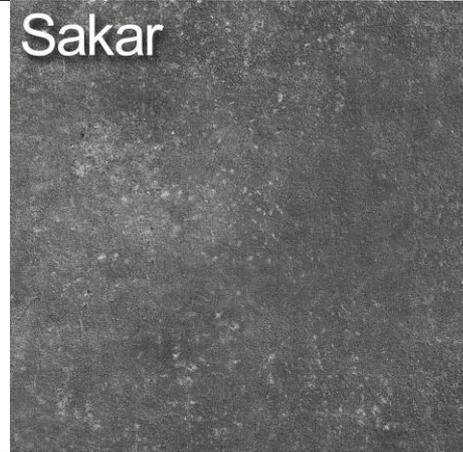
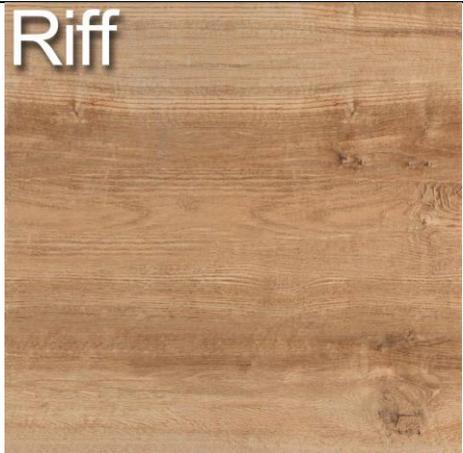
AirScape Exterior 20mm Porcelain Tiles – Current Range:

<p>Stone Inspired Range</p>	<p>Balkan</p> 	<p>Baffin</p> 
<p>Sizes: G</p>	<p>Sizes: G</p>	<p>Sizes: G</p>
<p>Bale</p> 	<p>Bevin</p> 	<p>Bergamo</p> 
<p>Sizes: G</p>	<p>Sizes: G</p>	<p>Sizes: G</p>
<p>Bernina</p> 	<p>Bishorn</p> 	<p>Bistra</p> 
<p>Sizes: G</p>	<p>Sizes: G</p>	<p>Sizes: G</p>
<p>Gardan</p> 	<p>Gilly</p> 	<p>Golan</p> 

Sizes: K <b>Gist</b> 	Sizes: K <b>Bonanza</b> 	Sizes: K <b>Bowser</b> 
Sizes: K <b>Boulder</b> 	Sizes: D <b>Boston</b> 	Sizes: D <b>Archer</b> 
Sizes: D <b>Ardulan</b> 	Sizes: D <b>Yeman</b> 	Sizes: F <b>Yespar</b> 
Sizes: F <b>Barisan</b> 	Sizes: F <b>Bakossi</b> 	Sizes: F <b>Bruce</b> 
Sizes: F	Sizes: F	Sizes: F

<p>Lara</p> 	<p>Leeming</p> 	<p>Lint</p> 
<p>Sizes: F</p>	<p>Sizes: F</p>	<p>Sizes: F</p>
<p>Feathertop</p> 	<p>Finley</p> 	<p>Fisher</p> 
<p>Sizes: E, G &amp; H</p>	<p>Sizes: E, G &amp; H</p>	<p>Sizes: E, G &amp; H</p>
<p>Freel</p> 	<p>Falla</p> 	<p>Hankin</p> 
<p>Sizes: E, G &amp; H</p>	<p>Sizes: E, G &amp; H</p>	<p>Sizes: E &amp; G</p>
<p>Hewson</p> 	<p>Huggins</p> 	<p>Harper</p> 
<p>Sizes: E &amp; G</p>	<p>Sizes: E &amp; G</p>	<p>Sizes: E &amp; G</p>

<p>Huxley</p> 		
<p>Sizes: E &amp; G</p>		
<p>Concrete Inspired Range</p>	<p>Dinara</p> 	<p>Dundas</p> 
	<p>Sizes: G</p>	<p>Sizes: G</p>
<p>Draken</p> 	<p>Pippin</p> 	<p>Pamir</p> 
<p>Sizes: G</p>	<p>Sizes: G</p>	<p>Sizes: G</p>
<p>Pirin</p> 	<p>Pinos</p> 	<p>Pinaleno</p> 
<p>Sizes: G</p>	<p>Sizes: G</p>	<p>Sizes: G</p>

 Sidley	 Stromio	 Sakar
Sizes: F	Sizes: F	Sizes: F
Timber Inspired Range	 Rowe	 Rutford
	Sizes: D & G	Sizes: D & G
 Riff	 Rila	
Sizes: D & G	Sizes: D & G	

### Tile Size Codes

<b>A</b>	200mm x 1200mm	<b>B</b>	300mm x 1200mm	<b>C</b>	400mm x 800mm
<b>D</b>	400mm x 1200mm	<b>E</b>	450mm x 900mm	<b>F</b>	500mm x 1000mm
<b>G</b>	600mm x 600mm	<b>H</b>	600mm x 1200mm	<b>J</b>	900mm x 900mm
<b>K</b>	800mm x 800mm	<b>L</b>		<b>M</b>	

PLEASE NOTE: We have access to a huge range of 20mm porcelain tiles. If there is a particular size you require from the list above, but we are not showing any colours that specifically match it, then we can easily send you details of other colours that are available in the size you require. Also, where there are multiple sizes indicated for a range of colours, some colours in that range might not be available in every size shown. Always check with us for the very latest size and colour availability details.

# AirScape Technical Reference Information

20mm Exterior Grade Porcelain Tiles	
Design Options	100+ (including Stone, Timber, Concrete & Slate)
Size Options	600x600mm, 400x800mm, 450x900mm, 800x800mm, 900x900mm, 300x1200mm, 400x1200mm, 500x1000mm & 600x1200mm (Step Treads & Risers Available)
Weight Loading	1,000Kgs at 600mm support centres (Mesh and Metal Backing Plates to Order)
Point Load	EN 12825 >6Kn centre >7Kn centre of side >4Kn diagonal
Breaking Strength	EN ISO 10545-4 S >10000 N
Bending Strength	EN ISO 10545-4 R >52 N/mm <sup>2</sup>
Slip Ratings	Mostly R11+ or >40 PTV
Resistance to Abrasion	EN ISO 10545-6 <150 mm <sup>3</sup>
Thermal Movement	Meets UNI EN 14411-G
Horizontal Tolerance	Exceeds UNI EN 14411-G of +/- 2mm (<1mm)
Vertical Tolerance	Meets UNI EN 14411-G of +/- 0.5mm
Rectangularity	Exceeds UNI EN 14411-G +/- 2mm (<1.5mm)
Surface Flatness	Exceeds UNI EN 14411-G of <0.5% (<0.1%)
Water Absorbtion	Exceeds UNI EN 14411-G of <0.5% (<0.1%)
Frost Resistance	Meets UNI EN 14411-G
Stain Resistance	Meets UNI EN 14411-G
Chemical Resistance	Meets UNI EN 14411-G
Buzon Slope Correcting & Height Adjustable Pedestals	
Height Range	11mm to 1120mm
Slope Correction	0% - 10% Fall
Weight Loading	Certified to 1000 Kgs
Pedestal Spacer Tabs	2mm, 3mm, 4.5mm, 6mm, 8mm & 10mm
AluRail Spacer Tabs	3mm
AluRail Dimensions	2400x65x18mm & 2400x65x40mm
AluRail Weight	18mm is 1.09kg/m & 40mm is 1.54kg/m
Rubber Shims	1mm & 2mm
Minimum Build-Up	31mm (on an 11mm pedestal)
Pedestal Requirement	3.25 Peds per SqM at 600mm Centres
Support Head	150mm Diameter & 188cm <sup>2</sup> Surface Area
Base	200mm Diameter & 314cm <sup>2</sup> Surface Area
Sacrificial Membranes	Available to Order
Acoustic Matting	Available to Order
Eco Credentials	80% Recycled & 100% Recyclable

# Alfresco Floors

Hard Landscaping, Made Easy...

The AirScape porcelain paving system is distributed across the UK by Alfresco Floors  
For more information email [info@AlfrescoFloors.co.uk](mailto:info@AlfrescoFloors.co.uk) or call us on 020 8977 0904



## Company Background:

Alfresco Floors are based in West London and work nationwide. We concentrate exclusively on exterior hard landscaping. We specialise in the supply of 20mm porcelain tiles, concrete paving, or timber and composite decks. We usually install this as raised floors on terraces and balconies, or as commercial hard landscaping.

Alfresco Floors offer technical design consultancy, material supply, in-house installation teams, or usually a 'turn-key' combination of all three of these services.

The people at Alfresco Floors have a long and well respected track record of over 25 years in exterior floors, all over the UK. During this time we have become familiar with all manner of materials, all sorts of technical challenges, and just about every 'raised floor' installation system. As a direct consequence of this practical, first hand experience, we now focus our efforts exclusively on carefully selected products and solutions that we know offer the best combination of price, prestige and practicality.

In addition to projects which use just one of our four exterior materials (porcelain, concrete, timber or composites) we also cater for the growing trend towards 'hybrid' hard-landscaping, where architects and designers are looking to combine mixed materials in more elaborate layouts. To facilitate this, the materials and installation systems we supply have been chosen to work together technically and aesthetically.

Our aim, wherever possible, is to provide an easy, comprehensive 'one stop shop' for architects and designers. By selecting one of our integrated Alfresco Floors systems, you will simplify what might otherwise have been a much more complex combination of landscaping product requirements, sourced from several different suppliers.

Currently we import and supply three complementary systems in our exterior range; **AirScape** (20mm porcelain paving on height adjustable pedestals), **Ebema** (off the shelf or bespoke concrete paving) and **Grad** (hidden fixing, clip grip decking).