



tessera<sup>®</sup> arran

creating better environments

**flodbo**  
FLOORING SYSTEMS

**The rich tapestry of landscape that forms the unique Scottish island of Arran, has influenced artists for generations. The quality of light and the huge variety of natural colours create a complex palette that changes with each season. From the muted hues of autumn bracken to the vibrant tones of the summer heather, Arran has a beauty that inspires.**

- A collection of 12 naturally inspired semi-plain colourways
- Rich, heavyweight texture for luxury underfoot comfort
- Easily combined with Allura Flex vinyl tiles using the same adhesive, without the need for transition strips, additional profiles, or inconvenient build-up of the sub floor
- Meets SKA rating for M12 soft floor coverings
- Contains 57% recycled content by weight
- 100% Invista Antron Lumena solution dyed polyamide 6.6 yarn for durability and colour fastness



57% recycled content by weight



textured loop construction for structure and pattern



50cm x 50cm carpet tile





1518 | foggy day



# Arran colour options



1520 | driftwood LRV 15



1519 | stone wall LRV 19



1521 | golden sand LRV 21



1512 | dove LRV 11



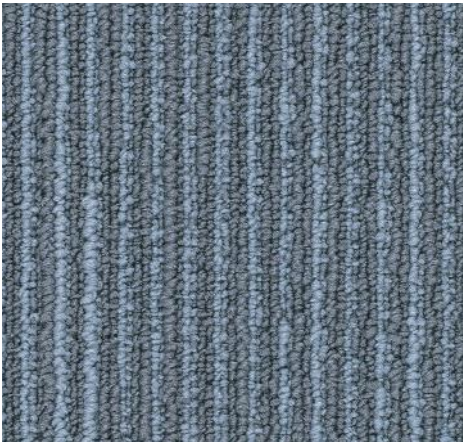
1518 | foggy day LRV 20



1524 | moss tone LRV 14



1515 | latte LRV 2



1525 | mountain mist LRV 13



1523 | dusty green LRV 13



1509 | noir LRV 2

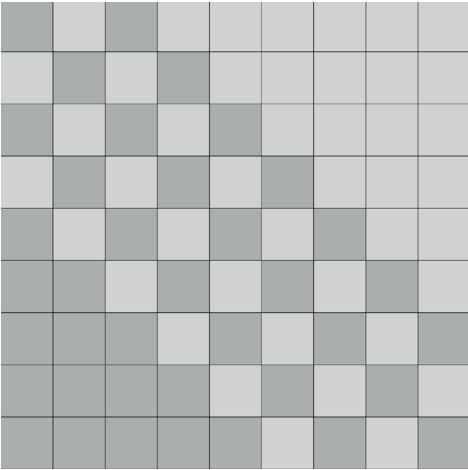
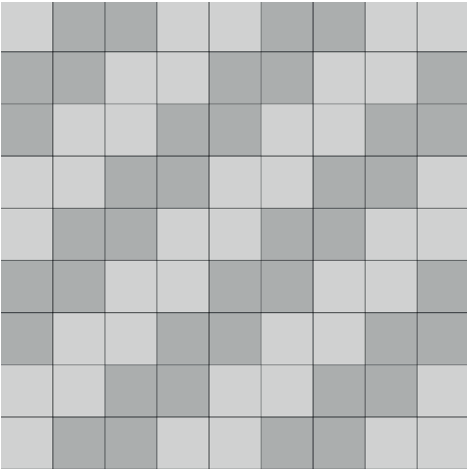
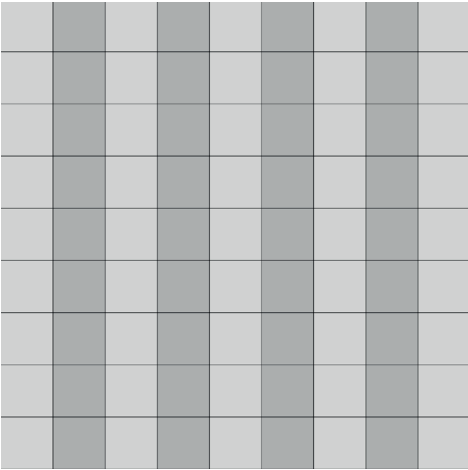
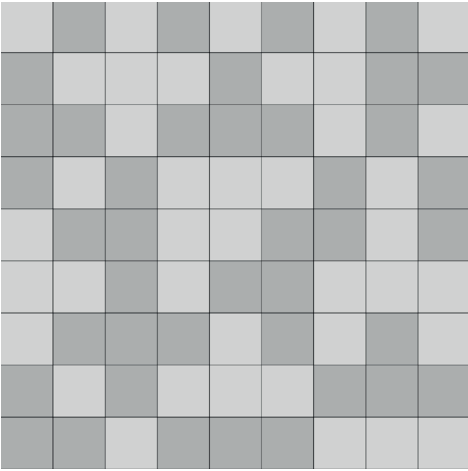
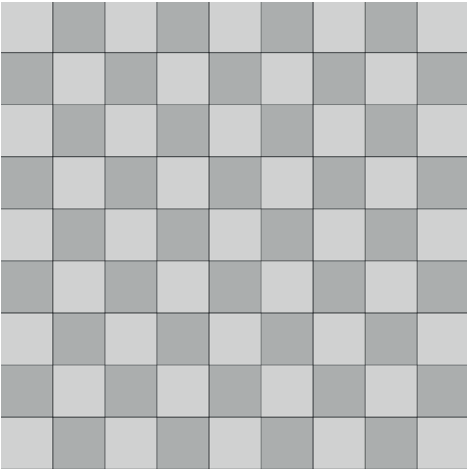
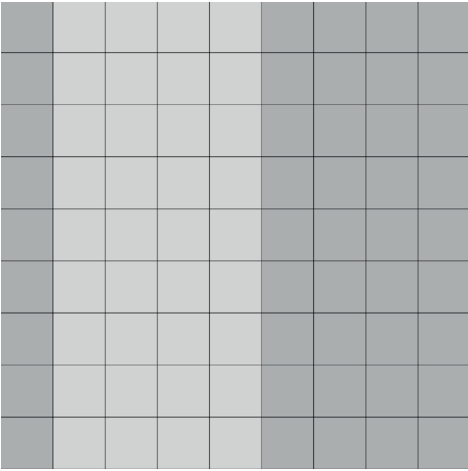


1502 | danube LRV 5

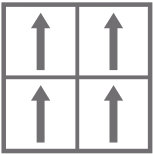


1522 | shallow water LRV 11

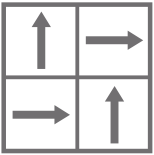
# Arran installation ideas



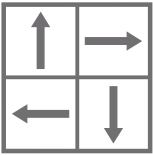
# Arran fitting options



monolithic



quarter turn



tessellated





# Forbo Environmental Data Sheet

Product name	Tessera Arran
Product description	Tessera Arran is a multi height, textured loop pile carpet tile with an 'artisan' appearance that broadlooms well. Arran is manufactured with 100% solution dyed yarn for superior colour fastness. Arran complies with all requirements of EN1307: Textile Floor Coverings – Classification of Pile Carpets.
Manufacturing location	Bamber Bridge, United Kingdom
Site accreditation	ISO14001, ISO 9001, ISO 45001, SA8000®



## Our footprint – how it’s made

Environmental data	
Total recycled content of product by weight	57%
Post industrial recycled content	57%
% renewable electricity & biogas used	100%

Independent assessment and rating	
ISO 9001 Quality Management System	
ISO 14001 Environmental Management System	
ISO 45001 Occupational Health and Safety Management	
Arran is made in an SA8000® certified facility	

Carbon footprint		
Estimated carbon footprint using data from Environmental product declaration according to ISO 14025	Raw materials and production	18.0 kg CO <sub>2</sub> eq/m <sup>2</sup>
	Use (1 year)	0.804 kg CO <sub>2</sub> eq/m <sup>2</sup>

Health and well being	
Air quality CHPS 01350 AgBB/DiBt	Tessera products comply to 01350 Indoor Air Quality Standard Pass

Impact sound reduction	25 dB
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Installation	
Recommended adhesives	<p>Carpet tiles must be adhered using an all over tackifier adhesive system: Forbo Eurocol 542 Eurofix Tack Plus, a solvent free release system, is recommended. Where periphery tiles are not constrained by fixtures e.g. walls, edge strips etc, it is recommended that such tiles are adhered using a permanent adhesive; Forbo Eurocol 640 Eurostar Special, again a solvent free adhesive is recommended.</p> <p>Adhesives must be applied according to the manufacturer’s instructions and it is essential that tackifier adhesives are allowed to dry to a tacky finish before laying the carpet tile. Failure to do so could result in a permanent non-release bond.</p> <p>Where contribution to credits for BREEAM sections HEA2 and HEA9 are required then low emission adhesive Eurocol 542 tack plus should be used. If a permanent bond is required, please use Eurocol 640 Eurostar special.</p>

# Forbo Environmental Data Sheet – continued

## Maintenance

Appropriate care and maintenance is essential to longevity and appearance retention and is necessary to maintain product warranties. Refer to the clean and care instructions available from Forbo Flooring Systems.

All Tessera products are suitable for cleaning using the Dry Fusion technique. Dry Fusion uses 95% less water than the normal system of cleaning, produces no waste product, uses non-hazardous and biodegradable cleaning solutions and all packaging and materials within the Dry Fusion System can be recycled.

## End of life

Products suitable for reuse, recycling, downcycling and waste to energy. Forbo Flooring Systems works with recycling companies to clean, reuse and recycle used carpet tiles in the UK.

## Contribution to Green Building Schemes

### BREEAM 2014

BREEAM ratings	<b>Building Type</b>					
	Office B	Education B	Health A	Domestic B	Retail (Durability) B	Retail (Fashion) A+

### BREEAM 2018

Compliant through declaration number 4788294459.119.1 Valid until January 2024

### LEED (version 4)

Potential direct or indirect contribution to following categories and credits:	<b>Materials and Resources</b>	
		Building product disclosure and optimisation - sourcing of raw materials - up to 1 point
		Construction and demolition waste management up to 2 points
	<b>Indoor environmental quality</b>	Low emitting materials up to 3 points
		Acoustic performance up to 1 point

















### Forbo design principles (Reduce, Recycle, Reuse, Renew)

<b>Reduce</b>	Investment in an extruder has reduced our bitumen usage by 50%.
<b>Reuse</b>	Yarn ends are rewound and used in the production of new Tessera Carpet tiles. All Tessera samples can be returned allowing them to be reused or recycled, reducing the need for virgin materials.
<b>Recycle</b>	Yarns, backing cloth, fillers and latex all contain recycled materials. All tufted Tessera carpet tiles contain at least 56% recycled content by weight.
<b>Renew</b>	All Tessera carpet tiles manufactured at Bamber Bridge are made with 100% renewable forms of energy (renewable electricity & biogas).





visit [www.forbo-flooring.co.uk/downloads](http://www.forbo-flooring.co.uk/downloads) for more information

# Technical specification

Tessera Arran carpet tiles meet the requirements of EN 1307

Description		Tufted multi-height loop pile carpet tile	
	Dimensions	EN 994	50cm x 50cm (Other sizes available for special orders)
	Total thickness	ISO 1765	7.0mm ± 10%
	Pile height	ISO 1766	4.0mm ± 0.5mm
	Collection size		12 colourways. 4m² per box
	Commercial use	EN ISO 10874	Class 33, Suitable for any type of heavy contract application
	Pile composition		100% Invista Antron® Lumena polyamide 6.6
	Dye method		100% solution dyed
	Stitch density	ISO 1763	202,960 per m² ± 10%
	Pile weight	ISO 8543	950 gsm ± 10%
	Total weight	ISO 8543	4,465 gsm ± 10%
	Primary backing		Polyester
	Secondary backing		ProBac recycled mineral filler with low amount of modified bitumen, and polyester fleece. Contains over 76% recycled content. Also available in SOFTbac® secondary backing.
	Castor chair use	ISO 4918	Minimum R Value: ≥ 2.4 Overall R value: 2.9
	Light fastness	EN ISO 105-B02	≥ 5
	Dimensional stability	EN 986	≤ 0.2%
	Impact sound reduction	ISO 10140-3	25 dB
	Creating Better Environments		
	Renewable Energy		All Tessera tufted carpet tiles are manufactured using 100% renewable energy (electricity & biogas)
	Recycled Content		Arran carpet tiles contain 57% recycled content by weight
	Indoor Air Quality		Arran carpet tiles comply to 01350 Indoor Air Quality Standard
	Back to the Floor		Installation off cuts can be collected via Back to the Floor
	Ska Rating		Arran meets Ska Rating criteria for M12 soft floor coverings in office, retail and higher education schemes
	Prodis-GUT	www.pro-dis.info	2E322B85
	Installation method		Monolithic, quarter turn, brick or tessellated

Arran carpet tiles meet the requirements of EN 14041

	Product code	EN 14041	1170100-DoP-101
	Reaction to fire	EN 13501-1	B <sub>fl</sub> -s1, L, NCS
	Slip resistance	EN 13893	μ ≥ 0.30
	Body voltage	ISO 6356	< 2.0 kV

All Forbo Flooring Systems' sales organisations and manufacturing sites worldwide have certified Quality Management Systems in accordance with ISO 9001.  
All Forbo Flooring Systems' manufacturing plants have certified Environmental Management Systems in accordance with ISO 14001.  
Tessera Arran is manufactured in a facility certified to SA8000® and ISO 45001.

# Contact us



Forbo Flooring Systems is part of the Forbo Group, a global leader in flooring and movement systems, and offers a full range of flooring products for commercial and affordable housing and new build markets. High quality linoleum, vinyl, textile, flocced and entrance flooring products combine functionality, colour and design, offering total flooring solutions for any indoor environment.

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Samples can be ordered over the phone,  
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(Mon - Fri, 8.30am - 5.00pm)

Samples can be ordered 24/7 by visiting  
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