

Technical specifications

tessera[®] apex 640

Apex 640 carpet tiles meet the requirements of EN 1307

	Description	Tufted level loop pile carpet tile	
	Dimensions	50cm x 50cm (Other sizes available for special orders)	
	Total thickness	5.7mm ± 10%	
	Pile height	2.8mm ± 0.5mm	
	Collection size	21 colourways, 5m ² per box	
	Application	EN 1307	Class 33, Suitable for any type of heavy contract application
	Pile composition	100% Aquafil 'Alto Chroma' polyamide	
	Dye method	100% solution dyed	
	Stitch density	189,120 per m ² ± 10%	
	Pile weight	640 gsm ± 10%	
	Total weight	3,955 gsm ± 10%	
	Primary backing	Polyester	
	Secondary backing	Modified bitumen and polyester fleece. Also available in SOFTbac [®] secondary backing	
	Castor chair use	BS EN 985:2001	Minimum R value: ≥2.4
	Light fastness	BS EN ISO 105 B02	≥6
	Dimensional stability	BS EN 986	≤0.2%
	Creating Better Environments		
	Renewable Electricity	All Tessera carpet tiles are manufactured using 100% electricity made from renewable sources	
	Recycled Content	Apex 640 contains over 50% recycled content by weight	
	Indoor Air Quality	Apex 640 meets 01350 Indoor Air Quality standard	
	Back to the Floor	Installation off cuts can be collected and recycled via Back to the Floor	
	Ska	Apex 640 meets Ska Rating criteria for M12 soft floor coverings in both office and retail schemes	
	Guarantee	Apex 640 carpet tiles are guaranteed for 10 years under heavy contract conditions (15 years guaranteed with SOFTbac [®]) provided that they have been professionally fitted by a recognised contractor and regularly maintained in accordance with the Forbo requirements currently in force.	
	Installation method	Monolithic, quarter turn or tessellated	

Apex 640 carpet tiles meet the requirements of EN 14041

CE
EN 14041

	Reaction to fire	EN 13501-1	B _{f1} -s1
	Slip resistance	EN 13893	DS: ≥0.30
	Electrical resistance	BS ISO 10965 & EN1815	<1 x 10 ⁹ Ω: Static dissipative. Body voltage: Pass (< 2kV) Lifetime protection through the use of permanent anti-static yarn and backing

BREEAM ratings

Tessera Apex 640 – Carpet Tiles (EN1307)

Building Type	Education	Healthcare	Multi Residential	Retail (Durability)	Retail (Fashion)	Meets Ska criteria
Office	A	A	A	A	A+	✓



Our recommended adhesive for our collection of Tessera carpet tiles is 542 Eurofix Tack plus. Please contact customer services for more information.

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.

Apex 640 carpet tiles are manufactured in a facility certified to SA8000[®] and OHSAS 18001.

The Life Cycle Assessment (LCA) of Forbo Flooring Systems' products is documented in individual Environmental product declarations (EPD's) or local building rating schemes such as BREEAM.