

Technical specifications

Apex 640 carpet tiles meet the requirements of EN 1307

	Description	Level loop pile carpet tile
	Dimensions	50cm x 50cm (other sizes available for special orders)
	Total thickness	6.0mm ± 10%
	Pile height	2.5mm ± 0.5mm
	Collection size	22 colourways 5m ² per box
	Application (Class 33)	EN 1307:2008 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
	Castor chair use	BS EN 985:2001 Minimum R value: ≥2.4 Overall R value: 3.8
	Light fastness	BS EN ISO 105 B02 ≥6
	Dimensional stability	BS EN 986 ≤0.2%
	Environmental	Materials used in the construction of Tessera carpet tiles are chosen for their low volatile organic compound (VOC) levels. All Tessera carpet tiles are manufactured using 100% green electricity. Awarded BRE Global's Environmental Profiles Certification.
	Guarantee	Apex 640 carpet tiles are guaranteed for 10 years under heavy contract conditions 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	Broadloom, quarter turn or tessellated
Apex 640 carpet tiles meet the requirements of EN 14041		
	Reaction to fire	EN 13501-1:2002 B _{f1} -s1
	Slip resistance	EN 13893 DS: ≥0.30
	Electrical resistance	BS ISO 10965:1998 <1 x 10 ⁹ Ω; Static dissipative. Body voltage: Pass (< 2kV) Lifetime protection through the use of permanent anti-static yarn and backing