

# Bridge Carpet Tile

## Technical Specification

BRI-TS-20210311-04-EN

Name	Standard	Symbol	Result																												
CE / DOP	EN 14041		CPR/AI/025																												
Usage Classification	EN 1307		23,33																												
Luxury Class	EN 1307		LC4																												
Size	EN 994		500mm x 500mm																												
Construction Gauge	ISO 2424		Tufted Loop 1/10"																												
Fibre Composition			Polyamide Nylon 6																												
Dye Method			Solution dyed																												
Backing			Flexible Back and Acoustic Flexible Back																												
Stitches for 10 cm			45																												
Total Thickness (mm)	ISO 1765		6.2mm (50gsm Flexible Back) 8.2mm (500gsm Acoustic Flexible Back)																												
Total Mass Per Unit Area (g/m <sup>2</sup> )	ISO 8543		4800g/m <sup>2</sup> (50gsm Flexible Back) 5300g/m <sup>2</sup> (500gsm Acoustic Flexible Back)																												
Effective Pile Thickness (mm)	ISO 1766		5.5mm																												
Total Pile Mass (g/m <sup>2</sup> )	ISO 8543		1100																												
Number of Tufts/Loops (calculated per m <sup>2</sup> )	ISO 1763		178,000																												
Fire Resistance	EN ISO 13501-1		B <sub>fl</sub> s1																												
Slip Resistance	EN 13893		Class DS																												
Dimension Stability	EN 986		≤ 0.2 %																												
Anti-Static Body Voltage (kV @25%rh)	ISO 6356		≤ 2.0 kV																												
Vertical Electric Resistance	ISO 10965		4.8 x 10 <sup>11</sup> Ω																												
Horizontal Electric Resistance	ISO 10965		7.9 x 10 <sup>12</sup> Ω																												
Castor Chair Suitability	EN 985		Continuous																												
Light Colour Fastness	EN ISO 105:B02		4-5																												
Colour Fastness to Rubbing	EN ISO 105:X12		5																												
Colour Fastness to Water	EN ISO 105:E01		4-5																												
Impact Sound Insulation ΔL <sub>w</sub>	EN ISO 717-2		27dB (50gsm Flexible Back) 32dB (500gsm Acoustic Flexible Back)																												
Sound Absorption	EN ISO 11654		$\alpha_w = 0.15^*$ <table border="1"> <tr> <td>Hz</td> <td>125</td> <td>250</td> <td>500</td> <td>1000</td> <td>2000</td> <td>4000</td> </tr> <tr> <td><math>\alpha_s</math></td> <td>0.01</td> <td>0.02</td> <td>0.06</td> <td>0.16</td> <td>0.34</td> <td>0.42</td> </tr> </table> $\alpha_w = 0.25^{**}$ <table border="1"> <tr> <td>Hz</td> <td>125</td> <td>250</td> <td>500</td> <td>1000</td> <td>2000</td> <td>4000</td> </tr> <tr> <td><math>\alpha_s</math></td> <td>0.02</td> <td>0.03</td> <td>0.38</td> <td>0.23</td> <td>0.31</td> <td>0.42</td> </tr> </table>	Hz	125	250	500	1000	2000	4000	$\alpha_s$	0.01	0.02	0.06	0.16	0.34	0.42	Hz	125	250	500	1000	2000	4000	$\alpha_s$	0.02	0.03	0.38	0.23	0.31	0.42
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Thermal Resistance (m <sup>2</sup> K/W)	ISO 8302		0.07 m <sup>2</sup> K/W																												
Emissions COV			Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions). A+																												
Emissions	IAC Gold		Cert No. IACG-352-08-12-2020																												
Emissions	M1		Certified/ <a href="https://cer.rts.fi/en/m1">https://cer.rts.fi/en/m1</a>																												

\* (50gsm Flexible Back)

\*\* (500gsm Acoustic Flexible Back)

**Amtico International Head Office**  
Kingfield Road, Coventry  
CV6 5AA, UK

+44 (0) 24 7686 1409  
[technical.support@amtico.com](mailto:technical.support@amtico.com)  
amtico.com

**amtico**  
flooring