

PhoneStar® TRI - the sound reduction miracle

PhoneStar® has been rigorously assessed by the British Board of Agrément for compliance with Building Regulations and awarded the full Agrément Certificate. PhoneStar® also has achieved the Agrément Certificate from the equivalent German test house, Fraunhofer Institut 'Deutsches Institut für Bautechnik' (DIB).



Cut: PhoneStar® TRI

Technical Data

Data	Measurement	Verification
German Agreement Certificate	Z-23-21-1605	DIBt
British Agreement Certificate	Full Agrément Certificate	BBA
L x W x D	1200 x 800 x 15mm	Floor
L x W x D	1250 x 625 x 15mm	Wall, Ceiling
Area	0.96m ²	DIBt, BBA
Weight	18.0 kg/m ²	DIBt, BBA
Density	1200kg/m ³	DIBt, BBA
Airborne Sound Reduction	Delta Rw = 36dB(-4 Ctr)	EN ISO 717-1
Impact Sound Reduction	Delta Lnw = 21dB	EN ISO 717-2
Impact Sound Reduction	Delta LnTw = 33.8dB	EN ISO 717-2
Impact Sound Reduction	Upto 65dB at high frequency	EN ISO 717-2
Fire Behaviour	DIN B2	DIN 4102
Fire Behaviour	ISO Class-E	ISO 11925-2, 13501-1
Thermal Conductivity	0.17 W/mk	DIN 52612
Specific Heat Capacity	1050J/KgK	
Load Resistance	65tonne/m ²	MPA Stuttgart
Application Pressure Solidity	5.0 kN/m ²	DIN 1055: 2002
Application Punctual Load	4.0 kN/m ²	DIN 1055: 2002
Areas of Application	1,2,3,4	DIN 1055: 1971
Areas of Application	A,B,C1,C2,C3,C5,D1,D2	DIN 1055: 2002
Areas of Application	Floors, Walls, Roofs, Ceilings	DIN 1055: 2002
Bending Tensile Load	2107 N- Lengthwise	DIN EN 520
Bending Tensile Load	2123 N - Widthwise	DIN EN 520
Bending Tensile Strength	17.5 N/mm ² - Lengthwise	DIN EN 520
Bending Tensile Strength	17.6 N/mm ² - Widthwise	DIN EN 520