

DATA/PERFORMANCE



ACOUSTICS

Tested as per BS EN ISO 354: 2003 for sound absorption, noise reduction and sound attenuation.

Maximum NRC achieved with Acoustic Black fleece – NRC 0.75

Maximum NRC achieved with Acoustic Black Fleece and Rock-wool Insulation- NRC 1.00

Tested as per ASTM E1414-11a for Airborne Sound Attenuation as per ISO 10848-2.

Maximum CAC can achieved up to — 48 dB

Perforated & Sound Attenuation cover



WIND RESISTANCE

Tested as per ASTM E330-02

Complies with CWCT Sec 1,12:2005

Wind Resistance—Serviceability & Safety, Test Report Ref: TBWIC/RH128

Air Permeability

Complies with CWCT Sec 5:2005 Air Leakage, Test Report Ref: TBWIC/RH128



ANTI BACTERIAL COATING

Tested as per JIS Z 2801: 2000, which inhibits the growth of bacteria on the applied surface.



LIGHT REFLECTANCE (LR)

Achieved by the metal ceiling is LR- 0.85-0.96 tested as per ASTM E 1477.



WATER RESISTANCE

Complies with CWCT Sec 6,7:2005 Water Penetration – Static Method & Dynamic Aero Engine Test, Test Report Ref: TBWIC/RH128



IGNITION PERFORMANCE FOR PLASTICS

Complies with ASTM D1929-16 Standard Test Method for Determining Ignition Temperature of Plastics, Test Report Ref: Intertek/103416370MID-001



FIRE PERFORMANCE

Surface Spread of flame Class 1 tested as per BS 476: Part 7: 1997

“Non-Combustible” Material tested as per BS 476: Part4: 1970

Flame Spread and Smoke Development Index tested as per ASTM E84 (Class 1 or A)

Complies with NFPA 285-2012 Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components, Test Report Ref: TBWIC/RK094 (Rev.01)



FIRE RESISTANCE

Fire Rated tested as per BS476 : Part 23: 1987 Fire tests on building materials and structures. Methods for determination of the contribution of components to the fire resistance of a structure



SECURITY

Complies with ASTM F2322 standards for physical assault on vertical fixed barriers for detention and correctional facilities