

Saturn



Daiken were established in 1945 and have grown to be a world leader in the manufacturing of building materials.

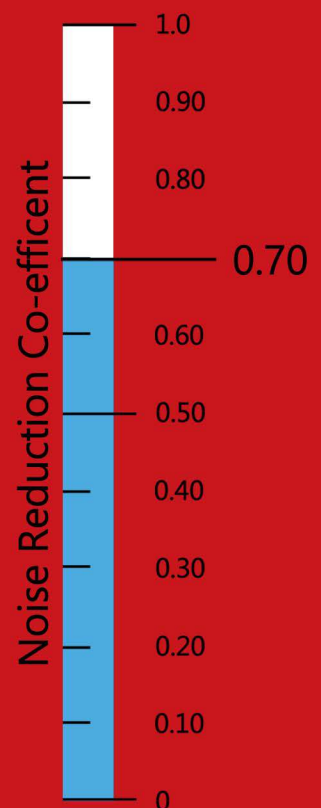
Daiken Excel-Tone MR ceiling tiles provide outstanding moisture resistance and are guaranteed for 10 years against visible sagging.

The Saturn tile is the newest addition to Daikens exceptional mineral fibre ceiling tile range.

Saturn is a 19mm thick mineral fibre tile with an acoustic fleece adhered to the face.

The tile offers a clean white appearance with an NRC of 0.70.

Suitable for todays modern office and learning environments where above average noise reduction properties are required.

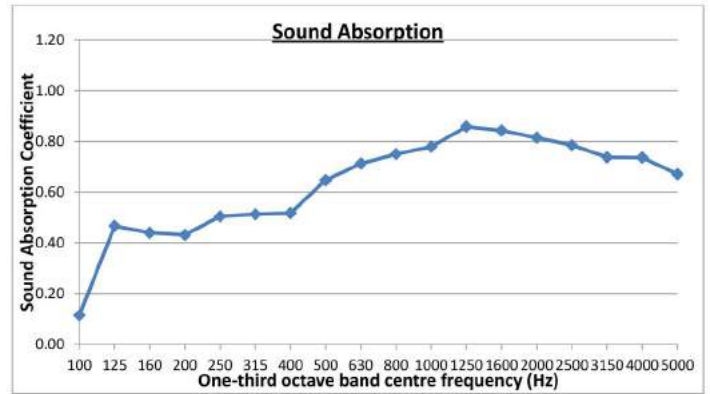




**Table 2:** Practical sound absorption coefficients for the sample

Octave band centre frequency (Hz)	125	250	500	1000	2000	4000
Practical sound absorption coefficient of Daiken ceiling tiles, $\alpha_p$	0.35	0.50	0.65	0.80	0.80	0.70

NRC of the Daiken Smooth Faced High NRC Mineral Fibre ceiling tiles, calculated in accordance with ASTM C423-90A is: 0.70



**Figure 4:** Sound absorption coefficients of the Daiken Smooth Faced High NRC Mineral Fibre Ceiling Tiles

## Daiken Saturn 19mm Mineral Fibre Tiles

Physical Properties	Value/Grade	Test Method
Moisture Content	2%	JIS A6301
Modulus of Rupture	17Kgf/cm <sup>2</sup>	JIS A6301
Fire Propagation Test	Class 0	BS476 Part 6
Flame Spread	Class A	ASTM E84
Light Reflectance	>80%	ASTM E1477
Ceiling Attenuation Class (CAC)	33	ASTM E1414
Sound Absorption Coefficient (NRC)	0.70	ASTM C423