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Calme

Calme is an all−metal, highly porous sintered aluminium sound absorption material,

providing broad−band sound absorption. Calme is available in several attractive surface designs. An exotic feature is that this material provides electro magnetic shielding. Calme achieves its high level of sound absorption in conjunction with an air gap and hard baking surface by setting up resonations, which force air behind the Calme to oscillate into and out of the gap. Calme acts by essentially creating a virtually infinite number of individual resonant sound absorbing channels with a continuously variable range of channel sizes, thereby allowing for extremely broadband absorption. Peak frequencies of absorption may be adjusted by changing the size of the air gap. The addition of honeycomb or fibre filling to the air gap increases absorption in almost all frequencies. The acoustical performance of Calme is only guaranteed when factory painted. Standard colour is silver/grey/gold. Clear coat acrylic may be applied to make colour uniform and to protect against marring and fingerprints. Calme is available in sheets of 1200x600x3mm and 600x600x3mm. Sheets with the first dimension weigh 5kg.

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Material	Sensorial		Technical	
Metals	Glossiness	*Matt*	Fire resistance	*Strong*
Country of origin	Translucence	*0 %*	UV Resistance	*Good*
	Structure	*Closed*	Weather resistance	*Good*
Belgium	Texture	*Medium*	Scratch resistance	*Good*
Product code	Hardness	*Hard*	Weight	*Light*
	Temperature	*Cool*	Chemical resistance	*Good*
MET025	Acoustics	*Good*	Renewable	*No*
	Odeur	*None*		

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