



PRODUCT

Kobert-In is a composite panel specially created for interior wall panneling. its composition of AlMg1 provides great stability and a very high resistance to corrosion.

This combination makes Kobert In very suitable for wet spaces.

On the other hand, its core, based on mineral charges, gives it a "hardly flammable" certification Bs1D0.

This certification is achieved without adding protective allogeneic anti-flame additives, making Kobert-In toxicologically harmless.

Kobert-In is used where higher fire certifications rates are required: airports, trade fair pavilions, shopping centers, public buildings, store decoration, elevators, etc.

The test method has been done according to the following standards

Coating adherence	EN ISO 2409:2013
Surface tearing	basaed on EN 311:2002
Residual footprint	UNE-EN ISO 24343-1:2012
Resistance to dry heat	UNE-EN 12722:09+A1:2014
Resistance to humid heat	UNE-EN 12721:09+A1:2014
Resistance to water vapor	UNE-EN 14323:2017
Scratch resistance	UNE-EN 15186:2012 (method A)
Impact resistance due to falling ball	UNE-EN 14323:2017

TEST RESULTS

Characteristics	Gloss	Matte
Coating adherence (value)	0	0
Surface tearing (N/mm ²) ¹	> 2,00	> 1,80
Footprint		
- Identation (mm)	< 0,05	< 0,05
- Value	Sin deterioro	Sin deterioro
Resistance to dry heat 100°C (value)	5	5
Resistance to humid heat 85°C (value)	5	5
Resistance to water vapor (grade)	5 ²	5
Scratch resistance/ method A (N)	13	>20
Impact resistance due to falling ball ³		
Heigh (mm)	> 2 000	> 2 000
Footprint diameter (mm)	< 10	< 10

Panel thickness	Standard	Unit	4mm
Aluminium Thickness	DIN 1784	mm	0.3
Deviation	DIN 1784	mm	± 0.02
Weight		Kg/m ²	6.30
Elasticity	EN 1999 1-1	N/mm ²	70000
Linear Thermal Expansion	EN 1999 1-1	mm/n °C	2.4 at 100 °C Temp difference
Thermal resistance R	DIN 52612	m ² K/W	0.0113
Heat Transmission Cefficient U	DIN 4108		5.48
Temperature Range	W/m ² K		- 50...+ 80