



RedBOND Standard

RedBOND Aluminium Composite Panels are extremely light and perfect for interior wall cladding and false ceilings, but also very popular as a rigid substrate for large size images and pictures in shopping centres or restaurants. You can have any image you want and within minutes as you can print on it directly by using conventional digital or screen printer, or simply have it sprayed!

Dream, Print and Cut to size.....Create your own world of design!!



✓ RedBOND Standard- advantages:

- Easy to print & to spray on
- Flat & rigid
- Protected & directional
- UV resistant Polyester coating
- Extra lightweight & perfect for flat applications

✓ RedBOND Standard - applications:

- Company notice boards or flat signs
- Splash backs in the kitchen or shower
- Pre-printed counter/table tops
- Point of Sale
- Point of Promotion
- Exhibition booths
- Interior wall cladding/linings or cubicles

Standard Production

Panel Thickness	Widths	Lengths
2mm	1000	2000
3mm	1250	2500
	1500	3050
		4050
		... any length*

* Under request/Minimum orders apply

Standard Colours

TRAFFIC WHITE	RB916M	RB916G
SILVER	RB906M	RB906G
JET BLACK	RB905M	RB905G
TRAFFIC GREEN	RB624M	RB624G
TRAFFIC YELLOW	RB123M	RB123G
TRAFFIC RED	RB320M	RB320G
ULTRAMARINE BLUE	RB502M	RB502G

Pretreated Aluminium on the reverse side of single sided coloured panels.

All RedBOND products are chrome free and therefore fulfill the toughest European regulations. This makes RedBOND Aluminium Composite Panels a 100% environmentally friendly product made in Europe.

All RedBOND Panels are being manufactured exclusively with European raw materials which all include only those chemical substances which comply and are registered under the European Community REACH Regulation (Registration, Evaluation, Authorization and Restriction of Chemical substances).



RedBOND Lite RedBOND RedBOND Plus

www.RedBONDcomposites.com



2012.07.19

Technical Data



Données Techniques

Panel Dimensions

Panel Thickness (mm)	3,00	Épaisseur du panneau (mm)
Aluminium skin thickness (mm)	0,18	Épaisseur aluminium (mm)
Panel Weight (kg/m²)	3,40	Poids (kg/m²)
Standard Width (mm)	1000/1250/1500	Largeur standard (mm)
Standard Length (mm)	2000/2500/3050/4050	Longueur standard (mm)
Max/min Length (mm)	2000/6000	Minimum / Maximum longueur (mm)

Dimensional Tolerances

Thickness (mm)	+0,20	Épaisseur (mm)
Width (mm)	+2,50	Largeur (mm)
Length (mm)	+10,00	Longueur (mm)
Diagonal (mm)	±5,00	Diagonale (mm)

Technical Specifications

Moment of Inertia (cm⁴/m)	DIN 53293	0,0518	Moment d'inertie (cm⁴/m)
Rigidity (kNcm²/m)	DIN 53293	363	Rigidité (kNcm²/m)
Modulus of Resistance (cm³/m)	DIN 53293	0,35	Module Résistance (cm³/m)
Thermal Resistance (m²K/W)	UNE 92-202-89	0,0745	Résistance Thermique (m²K/W)
Thermal Conductivity (W/mK)	UNE 92-202-89	0,207	Conductivité Thermique (W/mK)
Lineal Thermal Expansion (mm/m en Δ100°C)		2,4	Dilatation thermique linéaire (mm/m en Δ100°C)
Temperature Resistance (°C)		[-50 , +90]	Résistance à la température (°C)
Fire classification	UNE 23727	M1	Classification au feu

Aluminium Specifications

Ultimate Tensile Strength (MPa)	EN 546-2/EN 485-2	160 < Rm < 220	Résistance à la traction (MPa)
Elasticity Limit (MPa)	EN 546-2/EN 485-2	Rp > 145	Limite d'élasticité (MPa)
Elongation (%)	EN 546-2/EN 485-2	A ₅₀ > 1	Allongement (%)
Modulus of Elasticity (MPa)	EN 546-2/EN 485-2	70000	Module d'élasticité (MPa)

Coating Specifications

Coating Nature	Polyester / Polyester		Surface laquée
Polymerization	EN 13523-11	> 100 DR	Polymérisation
Pencil Hardness	EN 13523-4	≥ F	Dureté au crayon
Impact Resistance	EN ISO 6272-1	100%	Résistance aux chocs
Adherence	EN ISO 2409	> 75 %	Adhérence (transversale + Erichsen)
Bending	EN 13526-7	≤ 1T	Pliage
Salt resistance Test (1000 hours)	EN 11396 Corrosion Index UV Index Class	2 2 1	Résistance au sel acide acétique test (1000 heures)
QUV-B resistant test (500 horas)	EN 13523-19 Gloss retention ΔE	≥ 30 % ≤ 5	Résistance QUV-B test (500 heures)
		Indice de corrosion UV Indice Catégorie	Rétention de brillance ΔE

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Tous les produits RedBOND sont exempts de chrome et ses dérivés afin qu'ils respect 100% l'environnement selon les exigeant normes européennes.

Les panneau composite RedBOND sont fabriqués avec matières premières européennes, fournisseurs européens qui utilisent des produits chimiques sous le contrôle et l'évaluation de REACH (Registration, Evaluation and Authorisation of Chemicals).



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