

The technical aspects of FOREX® classic.



FOREX® FOREX classic

The most important product properties.

			1 - 4 mm and colours	5 - 19 mm	
Apparent density		DIN 53479	kg/m ³	700	500
Tensile strength		DIN 53455	MPa	16	10
Elongation at break		DIN 53455	%	34	30
E-modulus	in tension	DIN 53457	MPa	860	500
	in flexure	DIN 53457	MPa	1300	750
Flexural strength		DIN 53452	MPa	28	20
Impact strength		DIN 53453	kJ/m ²	15	15
Surface hardness		DIN 53505	Shore-D	>50	>50
Vicat softening temperature	Method A	DIN 53460	°C	80	78
Coefficient of linear expansion		DIN 53461	mm/(mK)	0.056	0.066
Thermal conductivity λ		DIN 52612	W/mK	0.081	0.059
Water absorption	23°C - 24h	DIN 53495	%	below 1	below 1

Flammability (1 - 19 mm)					
Switzerland	VKF	V.3	United Kingdom	BS 476 / Part 7	Class 1 (3 - 19 mm)
Germany	DIN 4102	B1	International	UL94	94V-0 passed
France	NFP 92-501	M1			94-5VA (1 mm: 94-5VB)

The available range.

Colour: White

	Width	1000 mm		1220 mm		1560 mm	2030 mm
		2500 mm	3050 mm	2500 mm	3050 mm	3050 mm	3050 mm
1 mm							
2 mm							
3 mm							
4 mm							
5 mm							
6 mm							
8 mm							
10 mm							
13 mm							
19 mm							

Colours: Grey Black Red Green Blue Yellow

3 mm							
5 mm							

Other thicknesses and colours are available on request.

Convincing advantages at a glance:

- › expanded rigid plastic sheet
- › particularly fine and homogenous cell structure and silky mat surfaces
- › widest range of thicknesses and sheet sizes
- › excellent printing substrate
- › easy to fabricate and process
- › difficult to ignite and self-extinguishing
- › suitable for indoor and outdoor use

Applications:

Enjoys great popularity with sign makers and manufacturers of stands for exhibitions and trade shows, in the field of display materials, with advertising agencies, designers and for picture mounting.

Fabricating:

Ideal for screen and digital printing as well as for vinyl applications. It's easy to fabricate and process, also for three-dimensional thermoforming and heat bending.



FOREX® classic
Unequaled among
creative sheet materials.

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- Alcan Airex AG, Sins, Switzerland
- Alcan Kapa GmbH, Osnabrück, Germany
- Alcan Singen GmbH, Singen, Germany
- Alcan Thermoplastics, Chelmsford, UK
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ALCAN COMPOSITES – a truly global player

- Offices and manufacturing operations in Europe, the Americas and Asia
- Widest selection of sheet material
- Partnerships with top distributors
- Global distribution network
- The shortest delivery times in the industry
- Dedicated salesforce

Alcan Airex AG
CH-5643 Sins, Switzerland
Tel: +41 41 789 66 00
Fax: +41 41 789 66 60
www.alcanairex.com
contact@alcan.com

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Let your imagination run wild.
FOREX® classic lets great ideas come to life.



Shop fitting, interior design
 FOREX® classic

Exterior signage
 FOREX® classic

Signage in a superstore
 FOREX® classic



Advertising signs
 FOREX® classic

Exhibition stand
 FOREX® classic

Signage in the soccer stadium in Portugal
 FOREX® classic

FOREX® classic – the leader in the FOREX® family of closed-cell rigid plastic sheets enjoys great popularity with sign makers and manufacturers of stands for exhibitions and fairs, in the field of display materials, with advertising agencies, designers and for picture mounting. The ultra-light, yet rigid sheet material offers even today still a technological advantage. The innovative FOREX® classic will not limit your imagination, and can be used both indoors and outdoors.

The language of creativity.

FOREX® classic is available in a wide range, ensuring that the applications are limitless. Being manufactured in many dimensions and thicknesses (from 1-19 mm) FOREX® classic is suitable for any number of uses, making it the distinctive name in this field. And that's not all: first-rate advice, from user to user, and a well developed distribution network with expert technical support will help you to succeed, anywhere in the world. Wherever you are, the FOREX® team speaks your language – the language of creativity.

Use it any way you like.

FOREX® classic shows its true strength as soon as the work starts. The silky mat, even surface is suitable for a variety of printing methods, from screen printing to digital print as well as for vinyl applications. It can be laminated, painted or lacquered. FOREX® classic can be easily cut, die-cut, sawn, drilled, milled, welded, bonded, screwed, nailed and riveted. Or used for three-dimensional thermoforming and heat bending.

Ask for the informative working directions.

In addition FOREX® classic sheets have low flammability and are self-extinguishing. The relevant fire certificates have been awarded. What more could you ask from a sheet material?

Choose FOREX® classic.

You know how frustrating it is when you can't turn your great ideas into reality. A good reason for counting on the performance and diversity of FOREX® classic right from the start. You can rely on the innovative sheet material. Ask for the brand FOREX® classic. It gives you the freedom to go with your imagination.

