

**FOREX<sup>®</sup>**  
**FOREX<sup>®</sup>classic**



**FOREX<sup>®</sup>classic**  
**Unequaled among**  
**creative sheet materials.**



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

**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.





Advertising signs  
FOREX®classic



Exhibition stand  
FOREX®classic



Signage in the soccer stadium in Portugal  
FOREX®classic

### 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.

# The technical aspects of FOREX® classic.



## The most important product properties.

			1 - 4 mm and colours	5 - 19 mm
<b>Apparent density</b>	DIN 53 479	kg/m <sup>3</sup>	700	500
<b>Tensile strength</b>	DIN EN ISO 527-1/2	MPa	16	10
<b>Elongation at break</b>	DIN EN ISO 527-1/2	%	34	30
<b>E-Modulus (in tension)</b>	DIN EN ISO 527-1/2	MPa	860	500
<b>E-Modulus (in flexure)</b>	EN ISO 178	MPa	1300	750
<b>Flexural strength</b>	EN ISO 178	MPa	28	20
<b>Impact strength</b>	DIN 53 453	kJ/m <sup>2</sup>	10	10
<b>Surface hardness</b>	DIN 53 505	Shore-D	>40	>40
<b>Vicat (A) softening temperature</b>	DIN EN ISO 306	°C	80	78
<b>Coefficient of linear expansion</b>	DIN EN ISO 75-2	mm/(mK)	0.056	0.066
<b>Coefficient of thermal conductivity λ</b>	DIN EN ISO 12664/12667/12939	W/mK	0.081	0.059
<b>Water absorption (23°C - 24 h)</b>	DIN EN ISO 62	%	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 data given here are standard values for average density material. Slight deviations may occur dependent on sheet thickness and as a result of the process-inherent anisotropy of the material. All information is based on our current state of knowledge. However, no warranty is made for the accuracy of the data or for the results obtained from the use of this information.

## The available range.

Colour:  White

	Width Length	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 (outdoor use: white sheets only!)

## 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.

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### ALCAN COMPOSITES – a global organisation

- Alcan Airex AG, Sins, Switzerland
- Alcan Kapa GmbH, Osnabrück, Germany
- Alcan Singen GmbH, Singen, Germany
- Alcan Thermoplastics, Chelmsford, UK
- Alcan Baltek Corporation, Northvale, N.J. USA
- Alcan Composites USA Inc., Benton & Glasgow, KY & Statesville, NC
- Alcan Composites Ltd., Shanghai, China
- Alcan Composites Brasil S.A.

### 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

**DIBOND® FOREX® KAPA® FOAM-X® GATORFOAM®**

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