

# FOREX<sup>®</sup>

FOREX<sup>®</sup>classic | FOREX<sup>®</sup>print | FOREX<sup>®</sup>color

UNLIMITED VARIETY  
OF CREATIVE SHEET MATERIAL.





## MADE IN SWITZERLAND

Airex AG was founded in 1956 and pioneers with its innovations in the field of foamed plastic materials. Apart from manufacturing technical solutions for industrial applications, in the eighties Airex AG developed a rigid foam sheet especially for the display sector: FOREX®

For about 30 years FOREX® has been the synonymous for premium quality rigid foam sheets – Made in Switzerland. Based on the combination of its lightweight and excellent surface qualities, FOREX® continues to be the „material of choice“ for a large number of applications in the field of visual communication.

Working with leading distributors, the availability of FOREX® products is guaranteed throughout Europe.

Excellent product quality and compliance with the respective quality standards are qualities that we can guarantee our customers on a long-term basis. Our locations are certified respectively, in accordance with DIN ISO 9001, ISO 14001, OHSAS 18001.

It is part of the Company's philosophy to minimize risks for man and the environment, and also to reduce environmental pollution through careful use of the available resources.

We guarantee that our FOREX® products are free from any dangerous substances.

For further information on processing, technical data sheets and information about any other display products, please see our website: [www.forex.eu](http://www.forex.eu)



# FOREX<sup>®</sup>classic



THE CLASSIC AMONGST THE DISPLAY SHEETS.

## PRODUCT

FOREX<sup>®</sup>classic is the No. 1 sheet in the FOREX<sup>®</sup> product family with the best mechanical properties and a top-grade surface quality. The fine, closed, homogenous cell structure and the smooth, silky mat surface make FOREX<sup>®</sup>classic an ideal material for high quality, longer-term interior and exterior applications.

### PROTECTIVE FILM

- PE film on one side as standard
- Protective PE film on both sides on request

## APPLICATIONS

FOREX<sup>®</sup>classic can be applied in all the areas of visual communication:

- Signage and display panels
- POS / POP displays
- Screen printed panels
- Digitally printed displays
- Exhibition stands
- Shop fitting
- Wall cladding & partitioning
- Interior design

## FOREX<sup>®</sup>classic – AT A GLANCE

- Universal sheet for all display applications
- Optimum mechanical properties and surface quality
- Hard-wearing surface
- Robust sheet suitable for longer-term interior and exterior applications
- Excellent printing and laminating properties
- Simple, mechanical processing using standard tools for processing wood and plastics
- Three-dimensional forming using cold/hot bending and thermoforming
- Sheet can be used for structural applications
- Widest range of thicknesses and sheet sizes
- Behavior in fire: difficult-to-ignite and self-extinguishing
  - > Euroclasses EN 13501-1: C - s3 - d0 (1 - 19 mm)
  - > BS 476-7, Class 1 (3 - 19 mm)
- Special sheet sizes on request

## COLOUR



## PRODUCT RANGE

Thickness mm	1	2	3	4	5	6	8	10	13	15	19
Standard formats (WxL)											
1220 x 2440 mm			■		■			■			■
1220 x 2500 mm	■	■	■	■	■						
1220 x 3050 mm		■	■		■		■	■	■	■	■
1560 x 3050 mm		■	■	■	■	■		■	■	■	■
2030 x 3050 mm			■	■	■	■	■	■			

The given measurements are standard dimensions, ex works. Special sheet sizes upon request, sheets cut to size can be obtained from your distributor.

# FOREX<sup>®</sup>print

THE ECONOMIC SOLUTION FOR PRINTING.



## PRODUCT

FOREX<sup>®</sup>print sheet material is specially designed to meet the requirements in the field of printing. The extremely lightweight sheet is outstanding due to its brilliant white, smooth, even surface which forms the basis for a perfect printing result, particularly for direct digital printing.

### PROTECTIVE FILM

- PE film on one side as standard
- Protective PE film on both sides on request

## APPLICATIONS

- Digitally and screen printed panels
- Short- and mid-term advertising campaigns
- Signage
- Ideal lamination substrate
- Flat applications

Due to its surface structure, FOREX<sup>®</sup>print attains optimum ink adhesion for printing and is extremely colour-fast. The sheet material is suitable for flat applications in such fields as sign-making and advertising for short-term and medium-term use. FOREX<sup>®</sup>print enables economic solutions in the field of printing applications.

## FOREX<sup>®</sup>print – AT A GLANCE

- Brilliant white, smooth, even surface for good printability, especially for direct digital printing
- Optimum ink adhesion and colour fastness
- Good dimensional accuracy of the sheets
- Suitable for flat applications
- Practicable for shorter to medium-term applications for interior and exterior use
- „Ready to use“ – can be printed on directly without any pre-treatment required
- Provided with protective film
- Behavior in fire: difficult-to-ignite and self-extinguishing
  - > Euroclasses EN 13501-1: C - s3 - d0 (2 - 10 mm)
  - > BS 476-7, Class 1 (10 mm)

## COLOUR



## PRODUCT RANGE

Thickness mm	2	3	4	5	6	8	10
Standard formats (WxL)							
1220 x 2440 mm	■	■		■			■
1220 x 3050 mm		■		■			■
1560 x 3050 mm	■	■	■	■			■
2030 x 3050 mm	■	■	■	■	■	■	■

The given measurements are standard dimensions, ex works. Special sheet sizes upon request, sheets cut to size can be obtained from your distributor.

# FOREX<sup>®</sup>color

THE CREATIVE PLAY OF COLOURS.



## PRODUCT

FOREX<sup>®</sup>color rounds off the FOREX<sup>®</sup> product family with a selection of nine vibrant colour shades. As the colouring of the rigid foam sheet is uniform throughout, it offers optimum colour consistency and guarantees the same colour effect when viewed from different angles.

### PROTECTIVE FILM

- PE film on one side as standard
- Protective PE film on both sides on request

## APPLICATIONS

FOREX<sup>®</sup>color offers designers the best possible basis for giving colour to the most varying solutions in the field of visual communication:

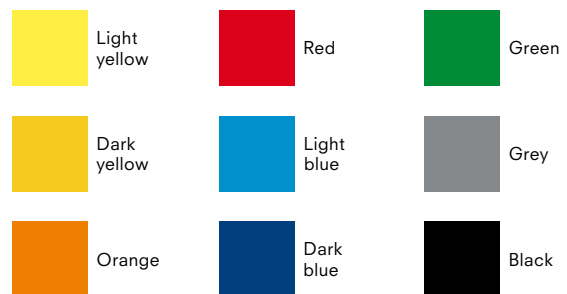
- Signage and display panels
- Merchandising display
- POS/POP applications
- Shop fitting
- Exhibition stands
- Decorative wall cladding

FOREX<sup>®</sup>color can be applied wherever a bright colour effect is required for emphasizing the advertising message.

## FOREX<sup>®</sup>color – AT A GLANCE

- 9 colour shades with a striking colour effect
- Uniform solid-coloured material
- Maximum colour consistency throughout the entire sheet
- Uniform colour effect when viewed from different angles
- Recommended for interior applications
- Impervious to moisture
- Simple, mechanical processing using standard tools for processing wood and plastics
- Behavior in fire: difficult-to-ignite and self-extinguishing > DIN 4102-1, B1 (3 mm)

## COLOURS



## PRODUCT RANGE

Thickness mm	3	5	8	10
Standard formats (WxL)				
1220 x 2440 mm	■ ■ ■ ■ ■	■ ■ ■ ■ ■		
1560 x 3050 mm	■ ■ ■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■ ■ ■		
2050 x 3050 mm	■ ■ ■ ■	■ ■ ■ ■	■ ■ ■ ■	■

The given measurements are standard dimensions, ex works. Special sheet sizes upon request, sheets cut to size can be obtained from your distributor.

## PHYSICAL PROPERTIES

CHARACTERISTIC	TEST METHOD	UNIT	FOREX <sup>classic</sup>	FOREX <sup>print</sup>	FOREX <sup>color</sup>
			AVERAGE RESULT		
Apparent density	DIN EN ISO 1183-1	kg/m <sup>3</sup>	500-700	400-450	500-580
Surface hardness	DIN 53 505	Shore D	40-44	>32	37
Max. service temperature	–	°C	55	55	55
Coefficient of linear expansion	DIN EN ISO 75-2	mm/(m·K)	0.07	0.07	0.05
Water absorption	EN ISO 62	%	<1	<1	<1
Behaviour in fire	EN 13501-1	Euroclass	C - s3 - d0 1 - 19 mm (difficult-to-ignite)	C - s3 - d0 2 - 10 mm (difficult-to-ignite)	
	DIN 4102-1	Germany	B1 1 - 6 mm (difficult-to-ignite)	B1 2 - 5 mm (difficult-to-ignite)	B1 3 mm (difficult-to-ignite)
	NF P 92-501	France	M1 1 - 19 mm (difficult-to-ignite)	M1 2 - 10 mm (difficult-to-ignite)	M1 3 - 5 mm (difficult-to-ignite)
	BS 476-7	Great Britain	Class 1 3 - 19 mm (difficult-to-ignite)	Class 1 10 mm (difficult-to-ignite)	

FOREX® is produced under stringent environmental and quality control procedures. Thus, the consistent quality of the product is achieved.

## ROHS DIRECTIVE

FOREX® meets the requirements of the RoHS/WEEE directives of the European Union on the restriction of hazardous substances. FOREX® foam sheets do not contain lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBBs), polybrominated diphenyl ethers (PBDEs), formaldehyde, CFCs, asbestos, plasticizer nor silicone.

## REACH REGULATION

FOREX® meets the requirements of the current version of the European Union chemicals regulation (REACH). In particular, FOREX® foam sheets do not contain any of the substances which are listed in the current version of the ECHA Candidate List of "Substances of Very High Concern" (SVHC).