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TROSIFOL®



BLACK
&
WHITE

THE FASCINATION OF
CONTRASTS IN GLASS

ENGLISH



SIMPLE. YET ANYTHING BUT PLAIN.



Black & White means the total lack of colour, thus strengthening the effect of contrasts, highlights and textures. Opposites meet, repel or attract, and come to life. This life adds intensity to a shape or a space. And appeal.

Striking contrasts can enhance this vitality still further and underscore an even clearer formal language. "Complex, not complicated," the architect Bernhard Franken once said. Simplicity and reduction to the essential, an accentuated language. Clarity in the confusion of modern life. Orientation.

Black & White.

> Architecture should be the basis
of any contemporary philosophy.
Compromises are dangerous.
A controversial building lasts longer. <

Arata Isozaki
Japanese architect



Photo: FiniGlas

VISIONARY PARTNERS - FAR-SIGHTED DESIGNERS

With five new architectural films, TROSIFOL® lends expression to formal language.

Brilliant Black in unsurpassed colour depth, high colour brilliance and totally opaque. Counterpointed by white in four guises. **Diamond White**, an also opaque, rich, strong shade of white with high reflectance. **Shining White** - a dazzling, aesthetic white with 10 per cent transmittance.

Outstanding light scattering can be achieved with **Sand White**. This elegant, semi-transparent shade of white transmits 70 per cent of the light. Or **White Translucent** - an almost opaque all-rounder with 55 per cent transmittance.



Column design for Kulturpassage at Karlsplatz, Vienna, Austria:
Bent white glass laminated with printed PVB and backed with TROSIFOL® Diamond White

© ARGE Kulturpassage Karlsplatz | gerner+gerner plus | RITTER+RITTER | Vasko + Partner Ing.
Photo: Rainer Hardtke





BRINGS GLASS TO LIFE

TROSIFOL® films make glass safer. And have been doing so for almost 60 years. What's impressive about our films is their excellent edge stability, high mechanical strength and exceptional durability. A result of the high-strength module of glass panes sandwiching a PVB film: when the window shatters, the fragments of glass adhere to the film and reduce the risk of injury considerably.

This is why laminated safety glass is used in overhead glazing. With TROSIFOL®, a legal necessity gains an aesthetic quality. Highly transparent laminated safety glass, an abundant range of COLOURS and the new BLACK & WHITE films broaden creative horizons.

All the colours are ideal for use in laminated safety glass for interior and exterior applications: façades, canopies, balconies, partition walls, furniture, kitchens, floors or on whiteboards as a stylish alternative to flipcharts.



> Content is quickly forgotten.
But the emotional impact of good design endures. <

Wolfgang Beinert
2000








TECHNICAL DATA



This overview helps you to classify TROSIFOL® BLACK & WHITE products in accordance with their technical features. Do you need further information? Are you looking for other technical properties? If so, please contact our Technical Service. We can send you our BLACK & WHITE glass sample box on request.

OUR BLACK & WHITE PORTFOLIO*

				
Brilliant Black	Diamond White	Shining White	White Translucent	Sand White
<ul style="list-style-type: none"> ■ Unsurpassed colour depth ■ 100% opaque ■ No transmittance of rear light sources ■ High colour brilliance ■ Suitable for laminated safety glass applications bonded on the reverse (e.g. SG) 	<ul style="list-style-type: none"> ■ Rich, strong shade of white ■ 100% opaque ■ High reflectance ■ Suitable for laminated safety glass applications bonded on the reverse (e.g. SG) 	<ul style="list-style-type: none"> ■ Dazzling aesthetic shade of white ■ Approx. 10% light transmittance ■ Particularly suitable for back-lighting 	<ul style="list-style-type: none"> ■ Opaque shade of white ■ Approx. 55% light transmittance (0.38 mm and 0.76 mm) ■ Screening effect combined with translucence 	<ul style="list-style-type: none"> ■ Elegant semi-transparent shade of white ■ Approx. 70% light transmittance ■ Outstanding light scattering

* The colour samples are merely intended as illustration and inadequately represent the real colours.

TECHNICAL DATA*

Film type	Brilliant Black	Diamond White	Shining White	White Translucent	White Translucent	Sand White
Code	S.00	W.00	W.17	W30.65	W30.65	W40.71
Thickness	0.76 mm	0.76 mm	0.38 mm	0.38 mm	0.76 mm	0.38 mm
Light transmittance [%]	0	0	9	56	54	69
Light reflectance 8° [%]	4	59	49	13	12	9
Solar transmittance [%]	0	0	13	52	50	59
Solar reflectance 8° [%]	4	47	34	11	10	8
Solar absorption [%]	96	53	53	38	40	33
UV transmittance [%]	0.00	0.00	0.00	1.13	0.11	1.70
Solar factor (g-value) [%]	25	14	27	62	60	67
Shading coefficient [%]	31	18	33	77	75	84

* All data measured in accordance with EN 410 (2011) on laminated safety glass with 4 mm float glass.

If used in exterior applications or combined with radiation sources, the energy absorption of the glass combination must be borne in mind.



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TROSIFOL®
PVB FILM FOR LAMINATED SAFETY GLASS

For further products of the Kuraray Group, please visit www.kuraray.eu.
You can find information on our TROSIFOL® products and services at
www.trosifol.com.

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