



GEWE®-pure vision for a multipurpose use

Life needs inspiring views.

We all know reflections on glass surfaces. These are not only apparent on shop windows and display cases but also on other glasses which we encounter every day. Anti-reflective glass GEWE®-pure vision reduces the glare and ensures clear and unobstructed view – no matter whether you like to look inside or outside or on a subject.

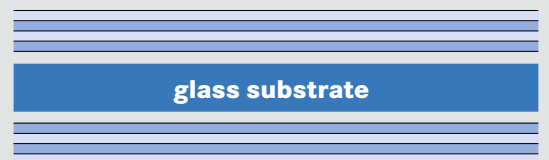
The production of anti-reflective glass is a complex process, only so it's superior features can be enabled. GEWE®-pure vision offers colour neutral transparency, weather resistance, and it is suitable for tempering and bending.

GEWE®-pure vision is an optical-interference anti-reflective glass with different oxide layers (normally titan oxide and silicium oxide) having a thickness between 50 nm up to 100 nm (total thickness of the layers about 250 nm) and applied by a magnetron vacuum

sputtering process. This procedure causes a mutual superposition of the different light waves which reduces the irritating reflections. However, this effect depends from various influences and can vary strongly. The result of this coating is a reduction of reflection to only ~0.6 % compared to ~8% reflection from normal uncoated glass.

Structure

- SiO₂
- TiO₂



Showcases

TV-studios

Display panes

Lamp covers

Sale displays

Conference rooms

Winter gardens

ATMs

Shop windows

Noble boutiques

Clean rooms

Sports stadiums

Yachts

Conference rooms

Sound proof cabins

Zoos

Protection shields

Jewelry stores

Control rooms

Monitors

Bill boards

Panorama restaurants

Indoor partitions

Bleachers

Control towers

Supermarkets

Façades

Scoreboards

Sneeze guard

Cooling furniture

Sound studios

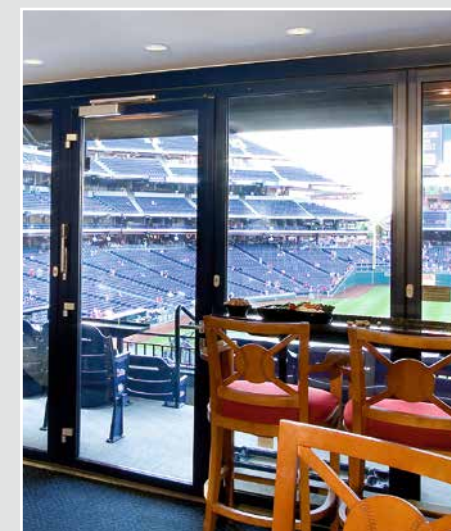
Multi-functional displays

Hospitals



**Quality features
GEWE®-pure vision:**

- 99% light transmission
- Weatherproofed coating
- Easy cleaning
- Light savings due to increased light transmission





Flood protection made of glass

Multifunction without Reflections

GEWE®-pure vision is also highly suitable as a multifunctional glass for various glass assemblies enabling combinations with modern heat protection glass, crystal-clear break-in protection, point-fixed glass facades or design-oriented safety glass (preferably UV-absorbing).

Today's glass construction shows a great transparency and thus requires a more complex function for glazings. GEWE®-pure vision in combination with GEWE-composite® already combines the features of best design and highest safety for many urban applications.

	Glass-type	Dimension max. gross (mm x mm)	Available thickness (mm)	Visual reflectance ρ_{VD65} (%)	Light Transmittance T_{VD65} (%)	UV-Transmittance T_{UV} (%)	Heat permeability coefficient U_g (W/m ² K)	Total energy transmission g (%)	Shading coefficient (%)	general colour rendering index R_a
Mono	Low iron Floatglass	Manufacturer specific	4	8	91	58	5.8	85	97	98
	GEWE®-pure vision	3,210 x 2,250	3, 4, 5, 6, 8, 10, 12	~1	~98	~28	5.8	79	91	99
	GEWE®-pure vision ESG	3,210 x 2,250	3, 4, 5, 6, 8, 10, 12	~1	~98	~31	5.8	81	93	99
LG/LSG	GEWE®-pure vision LSG	3,210 x 2,250	6.38 – 24.76	~1	~98	< 1 possible	5.7	81	94	99.8
	GEWE®-pure vision more panes of glass LSG	3,210 x 2,250	Outer panes 2, 3, 4, 5, 6, 8, 10, 12	~1	Depending of combinations	< 1 possible	Depending of combinations Low iron Floatglass			
Insulating glass	Low iron Floatglass	Manufacturer specific		15	82	43	2.8	74	85	96
	GEWE®-pure vision ESG	3,210 x 2,250	Combinations with other aforementioned glasses	~1.6	~97	~17	2.8	72	83	98
	GEWE®-pure vision LSG	3,210 x 2,250		~1.6	~97	~1.6	2.7	73	83	99
	Low iron Floatglass LowE GEWE®-pure vision	3,210 x 2,250		~2.0	~90	~17	1.1 (Argon Gas)	61	70	97

Produced by  groglass



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