

ANTI-GLARE ACID ETCHED GLASS



for display applications



AGC offers 3 ranges of anti-glare acid etched glass with different gloss levels for display applications:

- VRD (Verre à Réflexion Diffuse - Glass with Diffuse Reflection)
- LST (Low Sparkling Touch)
- NST* (No Sparkling Touch)

Produced on extra-thin float glass, the aim of the anti-glare treatment is to reduce the negative effect of incident light by diffusing reflections. It confers anti-glare performance while offering low haze, optimal contrast and true colour rendering.

* Available in all sizes and thicknesses from September 2016.

Anti-glare acid etched glass

What's so special about it?	What does this mean for you?	VRD	LST	NST
Wide range of products available in various gloss levels and textures	Can provide suitable optical properties for all types of applications	X	X	X
Anti-glare treatment can be applied on both sides of the glass	On the outer surface of the glass to confer anti-glare properties	X	X	X
	On the inside surface to eliminate Newton's Rings (rainbow patterns caused by light interference that appear when pressing on the display)	X		
Horizontal acid-etching process	AGC's very specific horizontal acid etching process guarantees better homogeneity of anti-glare products, even in large dimensions	X	X	X
Very soft touch feeling	Outstanding paper-like feel			X
Non-sparkling properties	Can be used for display applications up to very high resolution (>300 dpi)			X

What can you use it for?	Be inspired...
Display	PCs, laptops, tablets, e-readers, smartphones, digital signage, interactive flat panel displays, etc.
Transportation	Trains, aeronautics, automotive interiors, etc.

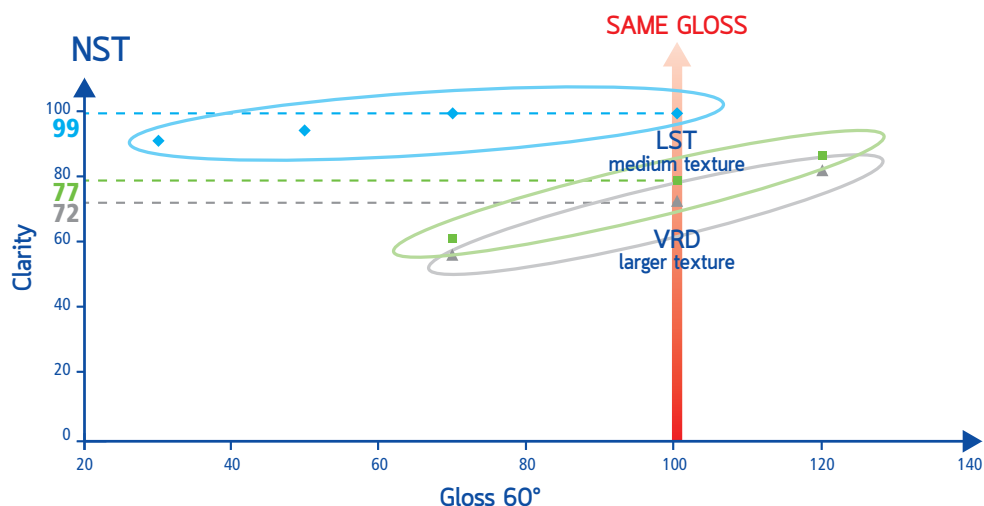
Performances

Product name	Gloss (G.U. at 60°)	Haze (%)	Clarity (%)	Ra (µm)*	Rsm (µm)**
VRD	VRD 50	50	12.6	43	0.58
	VRD 60	60	8.5	48	0.50
	VRD 70	70	4.2	56	0.39
	VRD 80	80	2.5	62	0.32
	VRD 90	90	2.2	67	0.25
	VRD 100	100	1.2	72	0.21
	VRD 110	110	0.9	77	0.16
	VRD 120	120	0.6	83	0.14
	VRD 130	130	0.4	85	0.12
	VRD 140	140	0.3	89	0.10
LST	LST 40	40	20	33	0.38
	LST 50	50	11.1	46	0.26
	LST 60	60	7.8	53	0.23
	LST 70	70	5.5	61	0.20
	LST 80	80	3.9	69	0.17
	LST 90	90	3.6	76	0.13
	LST 100	100	2.5	77	0.11
	LST 110	110	2.1	83	0.09
NST	NST 120	120	1.7	86	0.08
	NST 50	50	18	93	0.09
	NST 70	70	14	99	0.05
	NST 100	100	8	100	0.03

* Standard deviation: 0.06 µm (VRD 50 to 70), 0.03 µm (VRD 80 to 110), 0.01 µm (VRD 120 to 140), 0.03 µm (LST 40 to 60), 0.01 µm (LST 70 to 90), 0.005 µm (LST 100 to 120).

** Standard deviation: 20 µm for VRD, 10 µm for LST and 5 µm for NST.

Product resolution vs gloss of texture



Processing options

- Cutting
- Grinding
- Drilling
- Printing
- Thermal and chemical tempering (against breakage)
- Single or double acid etching
- Safe foil application
- UV gluing
- Wet coating application

Availability

All products are available in the maximum size of 1.60 x 3.21 m and in thickness from 0.4 mm up to 6 mm.



Standard anti-glare glass

NST anti-sparkling glass



Standard glass

LST anti-glare glass

AGC GLASS EUROPE, A LEADER IN FLAT GLASS

AGC Glass Europe is the European branch of AGC, the world's leading flat glass producer. Its baseline, Glass Unlimited, reflects its core assets: innovative strength in advanced glass technologies, a global sales network and an industrial presence stretching from Spain to Russia. AGC Glass Europe has representatives worldwide.



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