

WAVE TRAP by AGC

TRANSPARENT SHIELDING AGAINST ELECTROSMOG

WAVE**TRAP** is a transparent product from **WAVE by AGC** to shield indoors against undesirable radio frequency signals and microwave radiation for various frequency ranges and application types.



¹ Generic WAVETRAP solutions are available. Please contact us to request datasheets.

² WAVE by AGC offers custom WAVETRAP glazing tailored to your needs.

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Glass performance data simulation¹

Light properties - EN 410			
Light transmittance	τν	[%]	62
External light reflection	ρν	[%]	12
Internal light reflection	ρνί	[%]	14
Color rendering index	Ra	[%]	95
Energy properties - EN 410			
Total solar energy transmittance	g	[%]	30
External energy reflection	ре	[%]	35
Internal energy reflection	pei	[%]	30
Direct energy transmission	те	[%]	27
Energy absorption glass 1	αe1	[%]	35
Energy absorption glass 2	αe2	[%]	3
Total energy absorption	αe	[%]	38
Shading coefficient	SC		0.34
UV transmission	τυν	[%]	0
Selectivity			2.07
Thermal properties - EN 673			
Thermal transmittance (vertical glazing)	U value	[W/(m².K)]	0.9
Acoustic properties - EN 12758			
Direct airborne sound reduction ²	Rw (C;Ctr)	[dB]	51 (-2;-7)
Safety properties			
Burglar resistance - EN 356			Class P4A
Pendulum body impact resistance – EN 12600			Class 1B1
Thickness and weight			
Nominal thickness		[mm]	47
Weight		[kg/m²]	63

¹ The provided performance analysis is for the limited purpose of assisting the user in evaluating the performance of the glass configuration identified in this report. It does not replace an official Declaration of Performance and therefore may contain some variations, although AGC has made every effort to verify the reliability of this simulation tool. This document is for informative purposes only and in no way implies acceptance of any order by the AGC Group.

 2 The sound reduction indexes correspond to glazing with dimensions 1230 mm by 1480 mm according to EN ISO 10140-3 and are tested in laboratory conditions. In-situ performances may vary according to the effective glazing dimensions, supporting system, installation, environment, noise sources etc. The accuracy of the given indexes is +/- 1 dB.





Shielding Effectiveness^{1,2}



¹ All specifications correspond to the WAVETRAP glazing correctly connected to the frame in accordance with the instructions.

 $^{\rm 2}$ Measurements were performed in accordance with MIL STD 285 or IEEE299 at FMEC lab of KU Leuven (external EMC laboratory).

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