

Asahimas Tinted Float Glass



FOCUS ON
HIGH QUALITY
TINTED GLASS

PANASAP

Colorful and Comfortable

-- PANASAP --

Panasap is a tinted float glass in which the element of cobalt, manganese and selenium have been added to the ordinary glass composition to provide properties of heat absorption. It is a high quality glass which is perfectly flat, distortion free with an excellent range of colour choices.

Not only its appearance in line with modern architectural trends, Panasap absorbs nearly 35-55% of total solar radiant energy and it offers far more protection from solar heat than ordinary glass, blocking the light from outside and reducing harmful ultraviolet ray penetration. This reduces energy cost needed for air-conditioning indoors.

What's so special about it?	What does it mean for you?
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High Light transmission	- Increase the amount of natural light entering a building and reduce the need for artificial lighting, resulting in a more comfortable environment.
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Different degrees of colour intensity	- Allows selection of preferred level of privacy.
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Durable tint	- Offers a permanent tint and will not alter with time and harsh environmental conditions.
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Do you know?

- The thicker Panasap is, the darker it is, with increasing ability to absorb heat.
- Extra attention must be taken during installation and maintenance.
- The edges must be grinded before installation to reduce risk of thermal breakage.
- Be careful not to allow an air-conditioning air blower to be directed at the glass surface directly.
- Do not fix a thick curtain or place furniture closely to the glass to avoid thermal breakage.
- Use high quality elastic sealants (polysulfide, silicone sealant etc).
- Clean the glass periodically (once every 2-3months) or once every month if the external wall is contaminated with concrete or mortar to prevent an alkaline effect on the glass surface.

Technical Specifications

-- PANASAP --

Type Of Glass	Standard Thickness (mm)	Light Characteristic		Energy Characteristic				Solar Factor (%)	Shading Coefficient	U Value W/m ² K
		Transmittance (%)	Reflectance (%)	Transmittance (%)	Reflectance (%)	Absorption (%)	Ultra Violet Transmission (%)			
Panasap Bronze (BRFL)	5	56	6	57	6	37	22	67	0,77	5,8
	6	51	6	52	6	42	18	63	0,73	5,7
	8	42	5	44	5	51	12	57	0,65	5,7
Panasap Dark Grey (DGFL)	3	39	5	52	6	42	55	63	0,73	5,8
	4	29	5	44	5	51	49	57	0,65	5,8
	5	21	5	37	5	58	45	52	0,59	5,8
	6	16	5	31	5	64	41	47	0,55	5,7
Panasap Green (GNFL)	5	72	7	45	6	49	22	58	0,67	5,8
	6	69	7	41	5	54	18	55	0,63	5,7
	8	63	6	33	5	62	12	49	0,57	5,7
	10*	57	6	28	5	67	9	45	0,52	5,6
	12	52	6	24	5	71	6	42	0,48	5,5
Panasap Euro Grey (GEFL)	5	51	6	51	6	43	24	62	0,72	5,8
	6	45	5	46	5	49	20	58	0,67	5,7
	8	36	5	37	5	58	14	52	0,59	5,7
	10*	28	5	29	5	66	10	46	0,53	5,6
	12	22	5	23	5	72	7	42	0,48	5,5
Panasap Blue Green (BNFL)	5	67	6	46	5	49	26	58	0,67	5,8
	6	62	6	41	5	54	22	55	0,63	5,7
	8	55	6	33	5	62	16	49	0,56	5,7
Panasap Dark Blue (DHFL)	6	58	6	45	5	50	29	58	0,67	5,7
	8	50	5	37	5	58	23	52	0,60	5,7
	10*	43	5	30	5	65	18	47	0,54	5,6
	12	36	5	25	5	70	15	43	0,50	5,5
Panasap New Dark Blue (DHNFL)	5	50	6	41	5	54	26	55	0,63	5,8

Remarks :

- The energy properties are calculated according to ISO 9050 and ISO 10292
- The tolerance of published data with respect to photometric properties is +/- 3 points
- The U-Value tolerance is +/- 0.1 W/m K
- Specifications, technical and other data are based on information available at the time of preparation of this document and are subjected to change without notice. PT. Asahimas Flat Glass Tbk. cannot be held responsible for any deviation between the data introduced and the conditions on site
- This document is no evaluation of the risk of glass breakage due to thermal stress.
- Tempered glass and heat strengthened glass have potential risk of spontaneous breakage. PT. Asahimas Flat Glass Tbk. cannot guarantee spontaneous breakage due to characteristics of glass. For tempered glass, PT. Asahimas Flat Glass Tbk. strongly recommends to apply heat soak test to reduce the risk of spontaneous breakage. The Official NIS Disclaimer document is available on www.amfg.co.id

What can you use it for? | Be inspired...

Exterior - Facades
- Windows
- Spandrels

Interior - Door, Partitions etc
- Furniture (Tabletop, shelves etc)

PANASAP is available :

- in a large range of thicknesses : 3, 4, 5, 6, 8, 10* and 12 mm
- in following colours : New Dark Blue, Dark Blue, Green, Blue Green, Euro Grey, Dark Grey, Bronze
- in following size on mm : 3210 x 2134, 5100 x 3210

*Export Market

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