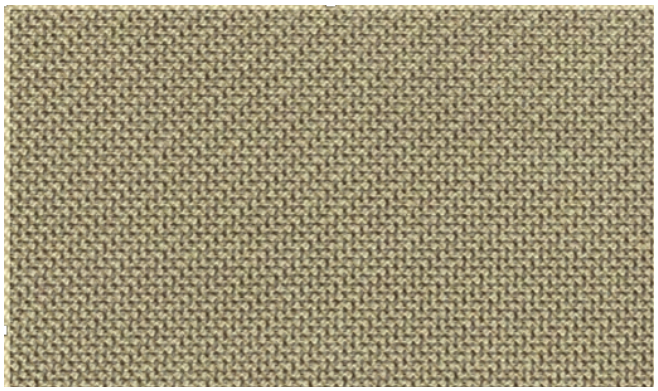


PrivaTwill PT25 OR

Textile Technical Data
Open Area [%] - **25**
Thickness [μm] - **500**
Weight [g/m2] UNI 5114:1982 - **460**
Fabric - **Polyester**
Aesthetics - **Gold**
Max available width [cm] - **160**
Interlayers Compatibility - **PVB, Acoustic PVB, EVA, DG41, SentryGlas**

Laminated Glass Performance

6mm Clear FT + 1.52mm PT 25 in PVB + 6m Clear FT

The spectral transmittance and reflectance values of the PT 25 laminated glass samples are shown in Figure 1

Figure 1.

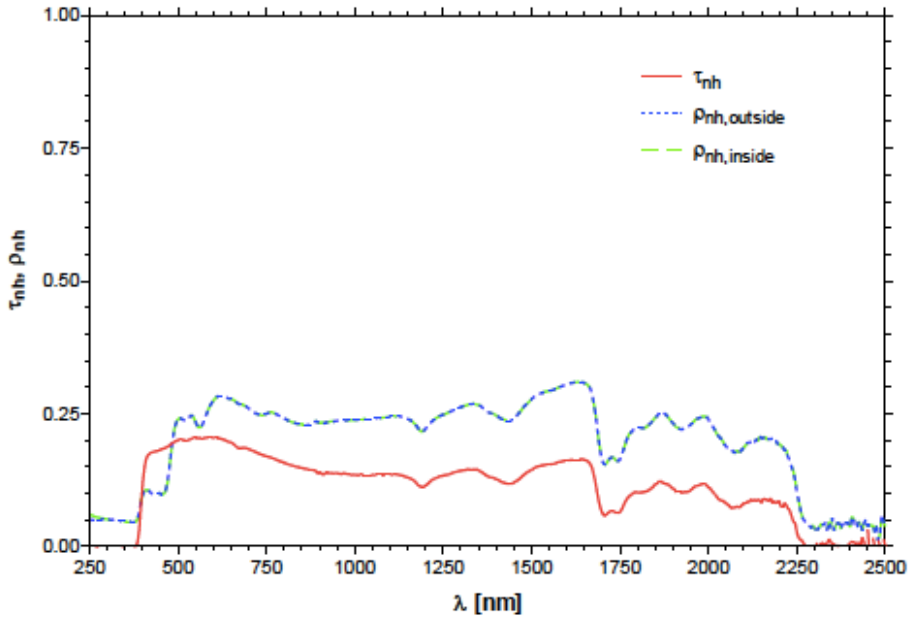
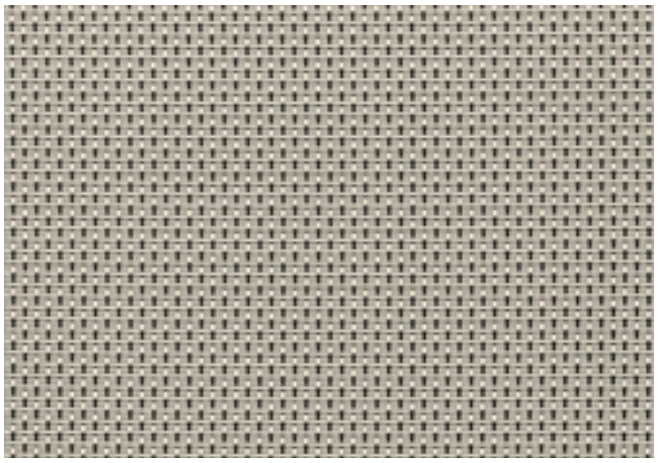


Table 1: Solar, visual and ultraviolet transmittance and reflectance and color rendering index of the laminated glazing samples, calculated from the spectral values according to DIN EN 410.

Sample	τsolar	τvis	τuv	CRI	ρsolar	ρvis	ρuv
PT 20 OR outside	0.16	0.20	< 0.001	98	0.22	0.24	0.05
Inside					0.22	0.24	0.05

Table 2: U-value and total solar energy transmittance (g-value) of the laminated glazing samples, according to EN 673 and EN 52022-3.

Sample	U [Wm-2]	G reference	G Summer
PT 20 OR	5.2	0.32 ± 0.02	0.39 ± 0.02



PrivaWeave PW50 (RAL 1013 Front, Grey Back)

Textile Technical Data

Open Area [%] **44**

Thickness [μm] **255**

Weight [g/m2] UNI 5114:1982 **110**

Fabric **Polyester**

Aesthetics **Silver / Bronze / Copper / Gold / Inox / Platinum**

Max available width [cm] **160**

Interlayers Compatibility **PVB, Acoustic PVB, EVA, DG41, SentryGlas**

Laminated Glass Performance

6mm Clear FT + 1.52mm PW 50 in PVB + 6m Clear FT

The spectral transmittance and reflectance values of the PT 25 laminated glass samples are shown in Figure 1

Figure 1.

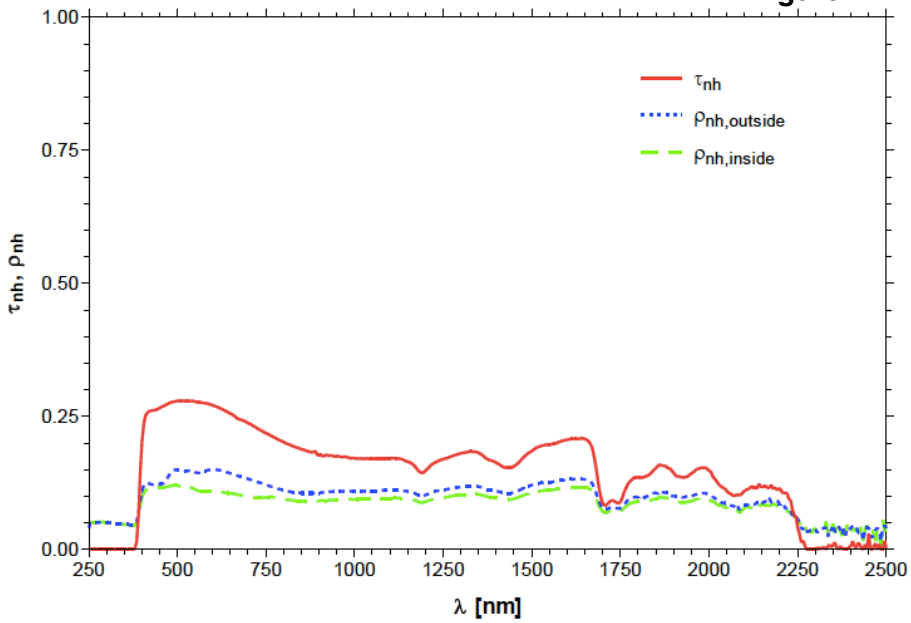
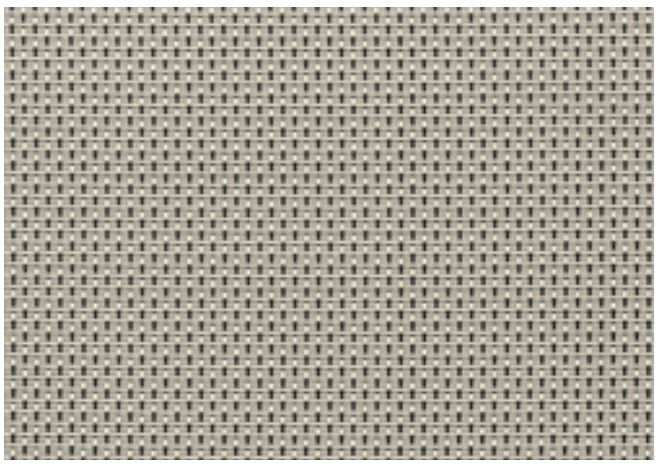


Table 1: Solar, visual and ultraviolet transmittance and reflectance and color rendering index of the laminated glazing samples, calculated from the spectral values according to DIN EN 410.

Sample	τsolar	τvis	τuv	CRI	ρsolar	ρvis	ρuv
PW 50 RAL 1013 outside	0.21	0.27	< 0.001	97	0.12	0.15	0.05
Inside					0.10	0.11	0.05

Table 2: U-value and total solar energy transmittance (g-value) of the laminated glazing samples, according to EN 673 and EN 52022-3.

Sample	U [Wm-2]	G reference	G Summer
PW 50 RAL 1013	5.2	0.39 ± 0.02	0.46 ± 0.02



PrivaWeave PW 30
(RAL 1013 Front, Grey Back)

Laminated Glass Performance

6mm Clear FT + 1.52mm PW 50 in PVB + 6m Clear FT

The spectral transmittance and reflectance values of the PT 25 laminated glass samples are shown in Figure 1

Figure 1.

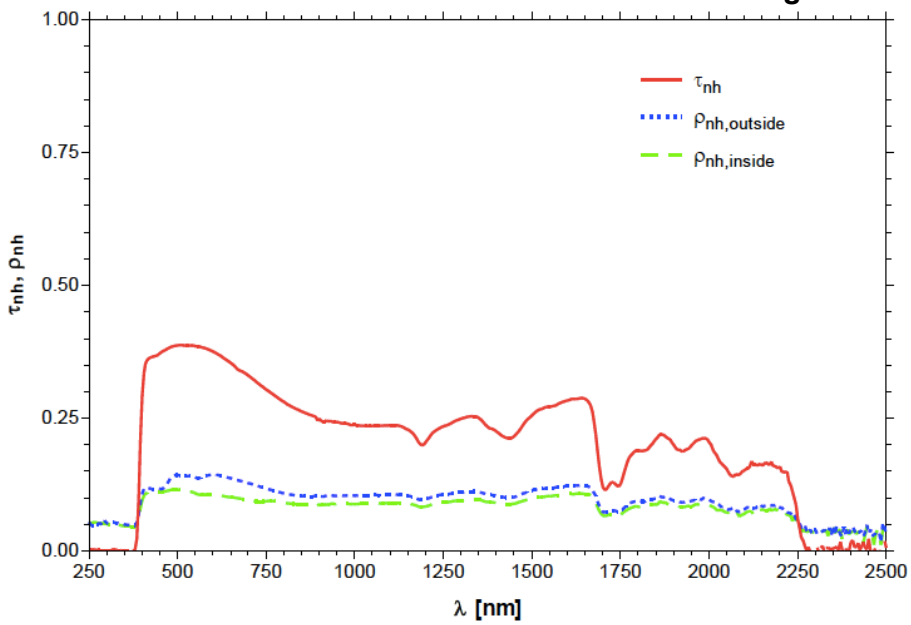


Table 1: Solar, visual and ultraviolet transmittance and reflectance and color rendering index of the laminated glazing samples, calculated from the spectral values according to DIN EN 410.

Sample	τsolar	τvis	τuv	CRI	ρsolar	ρvis	ρuv
PW 50 RAL 1013 outside	0.29	0.38	< 0.001	97	0.12	0.14	0.05
Inside					0.10	0.11	0.05

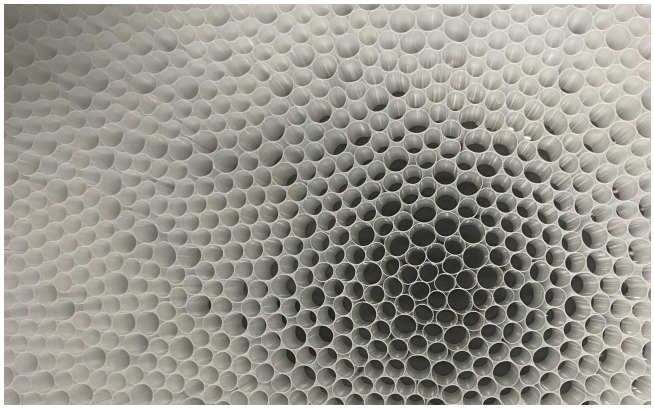
Table 2: U-value and total solar energy transmittance (g-value) of the laminated glazing samples, according to EN 673 and EN 52022-3.

Sample	U [Wm-2]	G reference	G Summer
PW 50 RAL 1013	5.2	0.39 ± 0.02	0.46 ± 0.02

KAPLUX – Multicell White

Insulated Glass Performance

6mm Superlite 70/40 + 12 mm
White Multicell 2.5,3.5



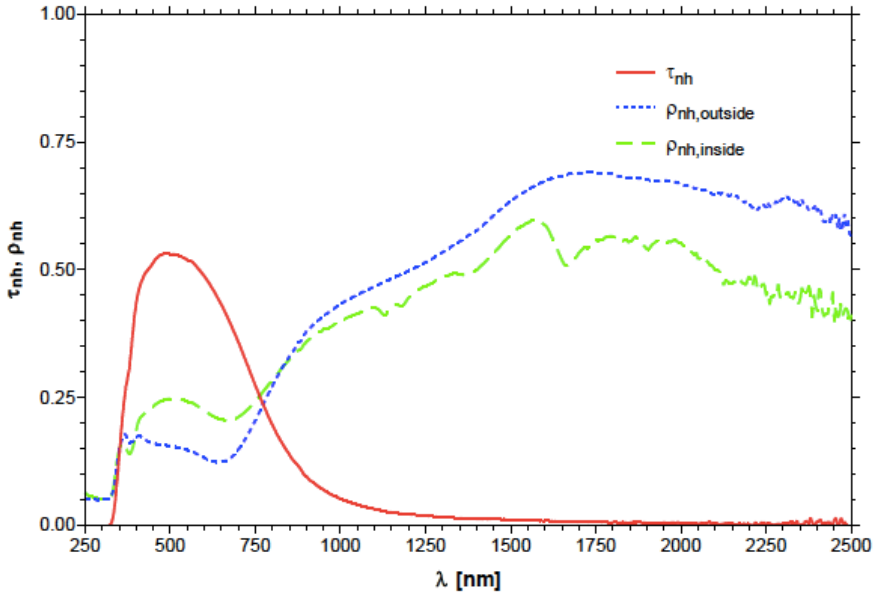


Figure 1. Spectral transmittance and reflectance values Insulated glass samples with honeycomb infill.

Table 1: Solar, visual and ultraviolet transmittance and reflectance and color rendering index of the laminated glazing samples, calculated from the spectral values according to DIN EN 410.

Sample	τsolar	τvis	τuv	CRI	ρsolar	ρvis	ρuv
KAPLUX (W)	0.28	0.51	0.14	93	0.28	0.14	0.13
Inside					0.30	0.24	0.12

Table 2. Heat transmission coefficients Λ and u-values of KAPLUX Honeycomb IGU

	Λ [Ω/(μ²K)]	U [W/(m²K)]
KAPLUX (MC-W)	4.2 ± 0.1	2.5 ± 0.1

Table 3. Secondary heat transfer coefficients of the honeycomb glazing samples according to EN 52022-3.

	qi,Reference	qi,Summer
KAPLUX (MC-W)	0.06 ± 0.02	0.09 ± 0.02

Table 4. Total solar energy transmittance of the honeycomb glazing samples.

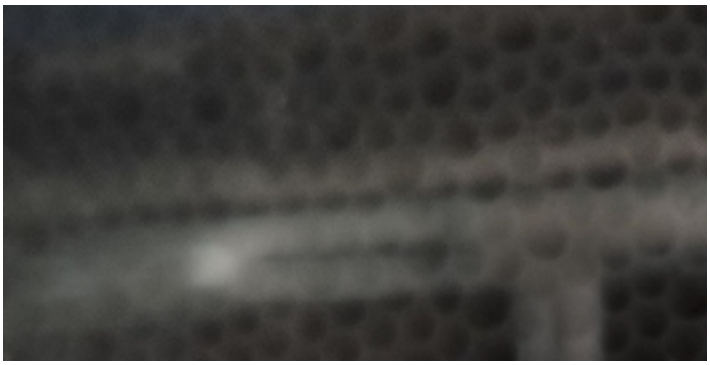
	g,Reference	gSummer
KAPLUX (MC-W)	0.34 ± 0.02	0.38 ± 0.02

KAPHS
meeting expectations

KAPLUX – Multicell Dark

Insulated Glass Performance

6mm AS 20 T Clear + 12 mm
Black Multicell 2.5,3.5



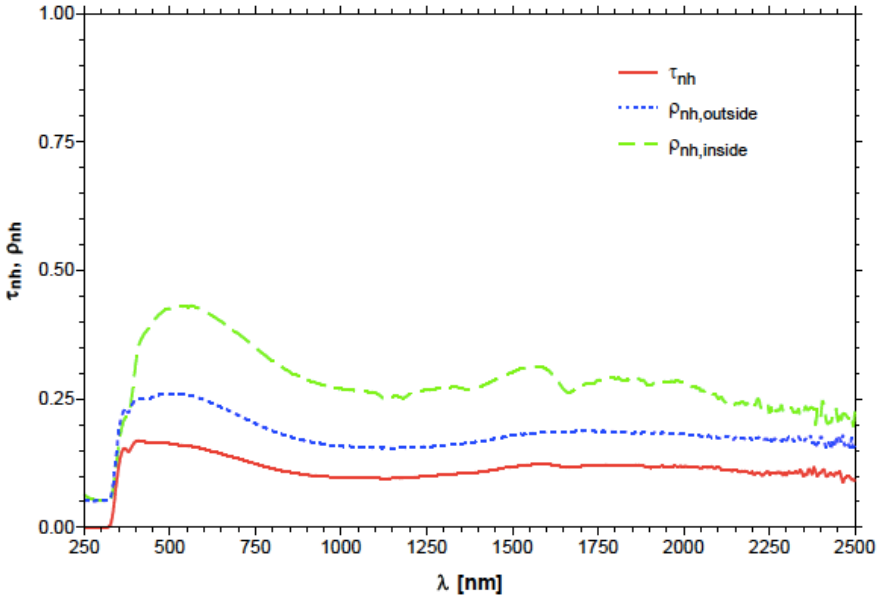


Figure 1. Spectral transmittance and reflectance values Insulated glass samples with honeycomb infill.

Table 1: Solar, visual and ultraviolet transmittance and reflectance and color rendering index of the laminated glazing samples, calculated from the spectral values according to DIN EN 410.

Sample	τsolar	τvis	τuv	CRI	ρsolar	ρvis	ρuv
KAPLUX (B)	0.13	0.16	0.09	95	0.21	0.25	0.34
Inside					0.34	0.43	0.14

Table 2. Heat transmission coefficients Λ and u-values of KAPLUX Honeycomb IGU

	Λ [Ω/(μ²K)]	U [W/(m²K)]
KAPLUX (MC-B)	4.5 ± 0.1	2.5 ± 0.1

Table 3. Secondary heat transfer coefficients of the honeycomb glazing samples according to EN 52022-3.

	qi,Reference	qi,Summer
KAPLUX (MC-B)	0.08 ± 0.02	0.13 ± 0.02

Table 4. Total solar energy transmittance of the honeycomb glazing samples.

	g,Reference	gSummer
KAPLUX (MC-B)	0.21 ± 0.02	0.26 ± 0.02