

SCREEN VISION

SV 10%

oct-21



Samples tested using a spectrometer Lambda 950 Perkin in September-16
 Samples tested according to EN 14500 standard defining the measurements and calculation methods as specified in standards "solar protection devices combined with glazing - calculation of solar and light transmittance - part 1: EN 13363-1 simplified method" or part 2: EN 13363-2 detailed method" and EN 410 "Glass in building - Determination of luminous and solar characteristics of glazing".

Echantillons testés avec un spectromètre Lambda 950 Perkin en septembre-16
 Echantillons testés selon la norme EN 14500 fixant les méthodes de mesure et de calcul en référence aux normes "dispositifs de protection solaire combinés à un vitrage - calcul du facteur de transmission solaire et lumineuse - partie 1 : EN 13363-1 méthode simplifiée ou partie 2 : EN 13363-2 méthode détaillée" et la norme EN 410 "verre dans la construction détermination des caractéristiques lumineuses et solaires des vitrages".

| | | U (W/m²K) | g |
|---|---|-----------|------|
| A | clear single glazing / simple vitrage clair | 5,8 | 0,85 |
| B | clear double glazing / double vitrage clair | 2,9 | 0,76 |
| C | low emission double glazing / double | 1,2 | 0,59 |
| D | reflective double glazing with low emission | 1,1 | 0,32 |

| | | |
|---|---|---------------------------------------|
| Thermal comfort classification according to EN 14501 standard / Classification de confort thermique selon la norme EN 14501 | 0 | very little effect / très peu d'effet |
| Visual comfort classification according to EN 14501 standard / Classification de confort visuel selon la norme EN 14501 | 1 | little effect / peu d'effet |
| | 2 | moderate effect / effet moyen |
| | 3 | good effect / bon effet |
| | 4 | very good effect / très bon effet |

| Openness factor (OF) / Coefficient d'ouverture (Co) | Thermal factors / Valeurs thermiques | | | | | | | | | | | | | | Optical factors / Valeurs optiques | | | | | | | | | | |
|---|--------------------------------------|----|----|--------------------------------------|---|------|---|------|---|------------|---|------|---|------|------------------------------------|------|--------|--------|------|--|---|---|----------------------------------|---|------------|
| | Fabric / Tissu | | | Fabric + Glazing / Tissu + Vitrage | | | | | | | | | | | Tv | Rv | Tvndif | Tvdfth | Tuv | Daylight utilisation / Utilisation lumière naturelle | Glare control / Contrôle de l'éblouissement EN 14501-2021 | Glare control / Contrôle de l'éblouissement EN 14501-2005 | Night privacy / Intimité de nuit | Visual contact with the outside / Vision vers extérieur | |
| | | | | gtot internal blind / gtot intérieur | | | | | | EN 13363-1 | | | | | | | | | | | | | | | EN 13363-2 |
| | 10% | | | A | B | C | D | C | D | C | D | C | D | C | D | C | D | C | D | C | D | C | D | | |
| Colours / Coloris | Ts | Rs | As | A | B | C | D | C | D | C | D | C | D | C | D | C | D | C | D | C | D | C | D | | |
| 0202 White / Blanc | 28 | 62 | 10 | 0.39 | 1 | 0.40 | 1 | 0.37 | 1 | 0.26 | 2 | 0.32 | 2 | 0.16 | 2 | 0.27 | 0.71 | 0.17 | 0.23 | 0.11 | 2 | 0 | 0 | 0 | 2 |
| 0220 White Linen / Blanc Lin | 27 | 56 | 17 | 0.42 | 1 | 0.42 | 1 | 0.39 | 1 | 0.26 | 2 | 0.36 | 1 | 0.18 | 2 | 0.25 | 0.62 | 0.15 | 0.20 | 0.10 | 2 | 0 | 0 | 1 | 2 |
| 0207 White Pearl / Blanc Perle | 25 | 50 | 25 | 0.46 | 1 | 0.46 | 1 | 0.41 | 1 | 0.27 | 2 | 0.38 | 1 | 0.19 | 2 | 0.22 | 0.56 | 0.12 | 0.22 | 0.11 | 2 | 0 | 0 | 1 | 2 |
| 0210 White Sable / Blanc Sable | 24 | 49 | 27 | 0.46 | 1 | 0.46 | 1 | 0.41 | 1 | 0.27 | 2 | 0.39 | 1 | 0.2 | 2 | 0.21 | 0.53 | 0.10 | 0.17 | 0.11 | 2 | 0 | 0 | 0 | 3 |
| 0720 Pearl Linen / Perle Lin | 24 | 37 | 39 | 0.53 | 0 | 0.52 | 0 | 0.45 | 1 | 0.28 | 2 | 0.43 | 1 | 0.23 | 2 | 0.21 | 0.40 | 0.10 | 0.17 | 0.11 | 2 | 0 | 0 | 0 | 3 |
| 0707 Pearl / Perle | 21 | 33 | 46 | 0.55 | 0 | 0.54 | 0 | 0.47 | 1 | 0.28 | 2 | 0.45 | 1 | 0.24 | 2 | 0.19 | 0.35 | 0.09 | 0.16 | 0.11 | 2 | 0 | 0 | 0 | 3 |
| 0102 Grey White / Gris Blanc | 19 | 31 | 50 | 0.56 | 0 | 0.55 | 0 | 0.47 | 1 | 0.28 | 2 | 0.47 | 1 | 0.25 | 2 | 0.16 | 0.32 | 0.05 | 0.12 | 0.11 | 2 | 0 | 0 | 0 | 3 |
| 0110 Grey Sable / Gris Sable | 17 | 23 | 60 | 0.6 | 0 | 0.59 | 0 | 0.5 | 0 | 0.29 | 2 | 0.49 | 1 | 0.27 | 2 | 0.14 | 0.21 | 0.03 | 0.10 | 0.11 | 2 | 0 | 0 | 0 | 4 |
| 0101 Grey / Gris | 17 | 18 | 65 | 0.63 | 0 | 0.61 | 0 | 0.51 | 0 | 0.29 | 2 | 0.52 | 0 | 0.28 | 2 | 0.14 | 0.15 | 0.03 | 0.11 | 0.12 | 2 | 0 | 0 | 0 | 4 |
| 3006 Charcoal Bronze / Charcoal Bronze | 12 | 6 | 82 | 0.7 | 0 | 0.67 | 0 | 0.55 | 0 | 0.31 | 2 | 0.55 | 0 | 0.32 | 2 | 0.12 | 0.05 | 0.01 | 0.09 | 0.12 | 1 | 0 | 0 | 0 | 4 |
| 3001 Charcoal Grey / Charcoal Gris | 11 | 9 | 80 | 0.67 | 0 | 0.65 | 0 | 0.54 | 0 | 0.3 | 2 | 0.54 | 0 | 0.31 | 2 | 0.10 | 0.09 | 0.01 | 0.08 | 0.10 | 1 | 0 | 1 | 1 | 3 |
| 3030 Charcoal / Charcoal | 10 | 5 | 85 | 0.7 | 0 | 0.68 | 0 | 0.55 | 0 | 0.31 | 2 | 0.56 | 0 | 0.31 | 2 | 0.10 | 0.05 | 0.01 | 0.08 | 0.10 | 1 | 0 | 1 | 1 | 3 |