

SOLAR AND OPTICAL PROPERTIES

SOLAR GAIN

The amount of heat increase resulting from solar energy entering a room. It is the total of 3 separate parts – the amount of energy transmitted directly into the room, the energy which is absorbed by the blind and a proportion of the energy which is absorbed by the window

SHADING CO-EFFICIENT

The solar heat gain with the blind at the window divided by the solar heat gain with no blind at the window. The lower the shading co-efficient, therefore. The higher then efficiency of the fabric

G-TOT

The total solar energy transmittance entering a building through a window and shading device combined. It is the ration of total energy hitting the building and the amount that gets through the glazing and shading. The lower the GTOT value, the lower the heat gain to the building

| | | PLAZA SOLAR & OPTICAL PERFORMANCE | | | | | | | | | | | | | | | | |
|----------|-------|-----------------------------------|---------|------|------------|---------------|-----|-----|------|----|------|------|------|------|------|------|------|------|
| | Solar | | Visible | | UV Block % | Solar Block % | QRF | CF | GTOT | | | | SC | | | | | |
| | RS % | TS % | AS % | RV % | TV % | AV % | | | SG | DG | DGLE | TG | SG | DG | DGLE | TG | | |
| Touch | 72 | 0 | 28 | 81 | 0 | 19 | 100 | 100 | 8 | 6 | 0.29 | 0.33 | 0.34 | 0.34 | 0.33 | 0.38 | 0.40 | 0.39 |
| Sense | 63 | 0 | 37 | 73 | 0 | 27 | 100 | 100 | 7 | 6 | 0.30 | 0.34 | 0.35 | 0.34 | 0.34 | 0.39 | 0.40 | 0.40 |
| Steel | 44 | 0 | 56 | 52 | 0 | 48 | 100 | 100 | 5 | 6 | 0.41 | 0.43 | 0.44 | 0.42 | 0.47 | 0.50 | 0.51 | 0.48 |
| Whisper | 64 | 0 | 36 | 74 | 0 | 27 | 100 | 100 | 7 | 6 | 0.30 | 0.34 | 0.35 | 0.35 | 0.35 | 0.39 | 0.41 | 0.34 |
| Graphite | 28 | 0 | 72 | 30 | 0 | 70 | 100 | 100 | 3 | 6 | 0.52 | 0.53 | 0.53 | 0.50 | 0.59 | 0.61 | 0.61 | 0.57 |
| Stone | 50 | 0 | 49 | 60 | 0 | 29 | 100 | 100 | 6 | 6 | 0.37 | 0.40 | 0.41 | 0.39 | 0.42 | 0.46 | 0.46 | 0.45 |

GLOSSARY

T: % Transmittance.
R: % Reflectiveness.
A: % Absorption.
UV Block: Percentage of UV light blocked by the fabric.

QRF: Quick Reference Factor.
CF: Colour Fastness.
gtot: The solar factor entering a building through a window and the shading device combined.

SC: Shading Co-efficient.
SG: Single Glazing.
DG: Double Glazing.
TG: Triple Glazing.
DGLE: Double Glazing Low Emissivity.

PLAZA



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Presenting a contemporary aesthetic whilst boasting the practicalities of a durable PVC fabric, Plaza's blockout linear design enhances the aesthetic of the PVC fabric. With its easiwipe™ and FR properties, Plaza is an ideal addition for any commercial application, especially in areas of high moisture.

BLOCKOUT PVC
FR FABRIC

PLAZA SPECIFICATION

| | |
|----------------------|----------------------------------|
| Colour Range | 6 |
| Roller Length | 30m |
| Roller Width | 1.83m |
| Vertical Widths | 89mm |
| Vertical Roll Length | 90m |
| Fabric Composition | 3ply Vinyl, 1ply Fibre Glass |
| Weight | 380g/m ² |
| Thickness | 0.30mm |
| FR Standards | BS 5867-2 : 2008 Part 2 : Type B |
| Direction on Roll | Single Directional |
| Cut | Cut by drop |



TOUCH



SENSE

LP6010 - 89mm
RP6010 - 1.83m



STEEL

LP5122 - 89mm
RP5122 - 1.83m



WHISPER

LP5125 - 89mm
RP5125 - 1.83m



GRAPHITE

LP5121 - 89mm
RP5121 - 1.83m



STONE

LP5123 - 89mm
RP5123 - 1.83m