



**Pane 1** PLANICLEAR (3 mm)  
PVB standard (2 x 0.38 mm)  
PLANICLEAR (3 mm)

**Cavity 1** ARGON (90%) / AIR (10%) / 18 mm

**Pane 2** PLANITHERM ONE II  
PLANICLEAR (4 mm)

HYTHERM SECURITY EXTRA

Glasscraft Decorative Ltd

Jonathan Hewitt

jonathan.hewitt@glasscraftglass.com



## LUMINOUS FACTORS

CIE (15-2004)

Light transmission (TL %) 70.3 %  
Outdoor reflection (RLe %) 21.7 %  
Indoor (RLi %) 23.0 %



## SOLAR FACTORS

EN410 (2011-04)

Solar factor (g) 0.4919  
Shading Coefficient (SC) 0.5654



## COLOR RENDERING

CIE (15-2004)

Transmission (Ra) 97.4  
Reflection (Ra) 94.7



## BURGLAR RESIST

EN356

Result : P1A/NPD



## CARBON FOOTPRINT

EN15804+A2

Global warming potential 'GWP' 48 Kg(CO2)/m<sup>2</sup>  
(A1-A3)



## ENERGY FACTORS

EN410 (2011-04)

Transmission (Te) 43.5 %  
Reflection (Ree) 32.5 %  
Indoor (Rei) 37.6 %  
Absorption (AE1) 18.3 %  
Absorption (AE2) 5.7 %



## THERMAL TRANSMISSION

EN673 (2011-04)

Ug 1.049 W/m<sup>2</sup>.K  
0° related to vertical position



## MANUFACTURING SIZES

Nominal thickness 28.8 mm  
Weight 25.8 kg/m<sup>2</sup>



## PENDULUM RESISTANCE

EN12600

Result : 1B1/NPD



## ACOUSTICS

EN12758

Acoustic simulated values - v2.0 Rw(C;Ctr) = 37(-2;-6) dB  
OITC (ASTM E1332) 29  
STC (ASTM E413) 37