

## THERMAL PERFORMANCE CERTIFICATE

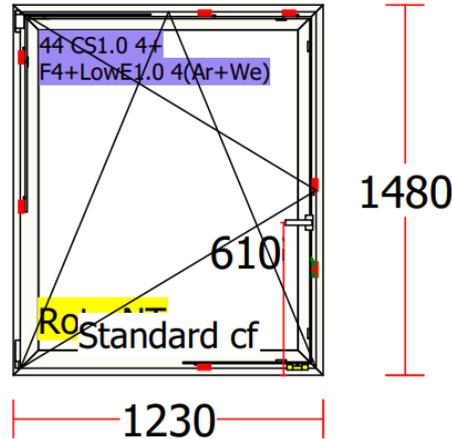
**PRODUCT:** 5STARS C16 TILT & TURN WINDOW

**GLAZING:** TRIPLE GLAZING 44MM (CS1.0 4 + F4 + LOWE 1.0) ARGON + WARM EDGE SPACER

**CUSTOMER:**

**PROJECT:**

Width L = 1230mm  
Height H = 1480mm



### THERMAL TRANSMITTANCE CALCULATION

Profile	$U_f = 2.1 \text{ W/m}^2\text{k}$
Triple Glazing	$U_g = 0.5 \text{ W/m}^2\text{k}$
Spacer	$I_p = 0.04 \text{ W/m}^2\text{k}$
Total profile surface	$A_f = 0.5 \text{ m}^2$
Glazing surface	$A_g = 1.32 \text{ m}^2$
Total triple glazing perimeter	$I_g = 4.63 \text{ m}$
Joinery Surface	$A_w = 1.82 \text{ m}^2$

All thermal calculations carried out in accordance with BS EN ISO 1077 – 1 : 2018. Thermal performance of windows, doors, and shutters – calculation of thermal transmittance

The  $U_w$  and  $U_g$  values may vary depending on the glazing used and on the windows' dimensions

$$U_w = \frac{U_f \times A_f + U_g \times A_g + I_p \times I_g}{A_w}$$

### RESULT

**$U_w = 1.05 \text{ W/m}^2\text{k}$**

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DATE: MAY 2024